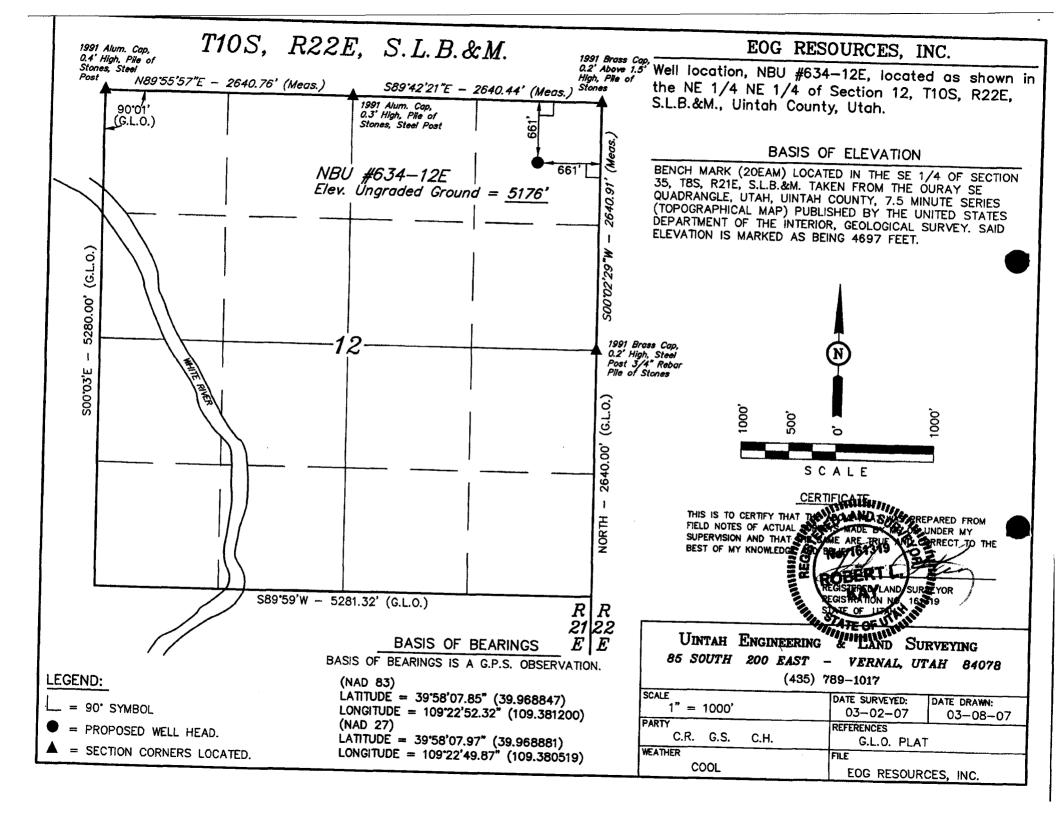
STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

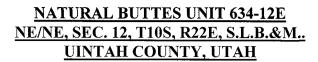
AMENDED REPORT	
(highlight changes)	

	A	5. MINERAL LEASE NO: U-01197-A-ST	6. SURFACE: State					
1A. TYPE OF WO	PRK: DF	RILL 🔽	REENTER [DEEPEN			7. IF INDIAN, ALLOTTEE OF	R TRIBE NAME:
B. TYPE OF WE	LL: OIL 🗌	GAS 🔽	OTHER	SING	GLE ZONE [MULTIPLE ZONI	8. UNIT OF CA AGREEMENT Natural Buttes U	
2. NAME OF OPE	RATOR:						9. WELL NAME and NUMBE	
EOG RESC	DURCES, IN	IC.					Natural Buttes U	nit 634-12E
3. ADDRESS OF 1060 East I	Hwy 40	CITY VERI		ATE UT ZIP 840		PHONE NUMBER: (435) 781-9111	10. FIELD AND POOL, OR V Natural Buttes/Wa	asatch/Mesaverd
4. LOCATION OF	WELL (FOOTAGES	661' FEL	1 9 X 39.968847 L	442535 AT 109.38120	4 Y 10 LON	1	11. QTR/QTR, SECTION, TO MERIDIAN:	
			39.968	1	OA. 38	m 21	NENE 12 10	S 22E S
			AREST TOWN OR P	· ' '	01.30	0601	12. COUNTY:	13. STATE:
55.1 Mile	s South of V	/ernal, UT					UINTAH	UTAH
	O NEAREST PROP	ERTY OR LEASE	LINE (FEET)	16. NUMBER OF	ACRES IN LEA		17. NUMBER OF ACRES ASSIGNE	
661	O NEAREST WELL	(DRILLING COM	PLETED OR	19. PROPOSED	DEPTH:	1674	Spaci 20. BOND DESCRIPTION:	ng Suspended
	R) ON THIS LEASE		FEETED, OR	19. FINOPOSED	DEFIN.	7,076	NM 2308	
	(SHOW WHETHER	R DF, RT, GR, ET	C.):	22. APPROXIMA	ATE DATE WOR		23. ESTIMATED DURATION:	
5176' GL							45 DAYS	<u>.</u>
24.			PROPO	SED CASING A	ND CEMEN	ITING PROGRAM		
SIZE OF HOLE	CASING SIZE, (GRADE, AND WE	IGHT PER FOOT	SETTING DEPTH		CEMENT TYPE, QUA	ANTITY, YIELD, AND SLURRY WEIGH	П 2
17-1/2	13-3/8	H-40	48.0#	0-45	See Atta	ched Eight Point F	Plan	
12-1/4	9-5/8	J-55	36.0#	0-2,300	See Atta	ched Eight Point F	Plan	
7-7/8	4-1/2	N-80	11.6#	Surface-7,076	See Atta	ched Eight Point F	Plan	
				-				
25.				ATTA	CHMENTS		ı	
VERIFY THE FO	LLOWNG ARE ATT	TACHED IN ACCO	PRDANCE WITH THE	UTAH OIL AND GAS C	ONSERVATION	GENERAL RULES:		,
✓ WELL PL	AT OR MAP PREP	ARED BY LICENS	SED SURVEYOR OR	ENGINEER	J c	OMPLETE DRILLING PLAN		
✓ EVIDENC	CE OF DIVISION OF	F WATER RIGHT:	S APPROVAL FOR U	JSE OF WATER	☐ FC	ORM 5, IF OPERATOR IS PE	RSON OR COMPANY OTHER THAN	THE LEASE OWNER
						·		
	Kavler	ne R. Gardi	ner			F Sr. Regulatory	ν Assistant	
NAME (PLEASE	PRINT) : EJIOI				TIT		7 Addiotant	
SIGNATURE	autor ?	Dank			DA1	4/5/2007		
(This space for Sta	ate use only)	/		A p	proved t ah Divis	by the	PECEN	
					an Divis Gas and		RECEIV	ED
API NUMBER AS	SIGNED: <u>43</u>	047-39	194	——————————————————————————————————————	APPROVA	_	APR 0 9 20	007
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(11/2001)				Date:	ons on Revence	Side A. TITTA	DIV. OF OIL, GAS &	MINING

(11/2001)







1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	TVD-RKB (ft)	Objective	Lithology	
Green River	1,179		Shale	
Wasatch	4,127	Primary	Sandstone	Gas
Chapita Wells	4,681	Primary	Sandstone	Gas
Buck Canyon	5,325	Primary	Sandstone	Gas
North Horn	6,080	Primary	Sandstone	Gas
KMV Price River	6,393	Primary	Sandstone	Gas
		-		
TD	7,076			

Estimated TD: 7,076' or 200'± below Price River top

Anticipated BHP: 3,864 Psig

- 1. Fresh Waters may exist in the upper, approximately 1,000 ft \pm of the Green River Formation, with top at about 2,000 ft \pm .
- 2. Cement isolation is installed to surface of the well isolating all zones by cement.

3. PRESSURE CONTROL EQUIPMENT:

Production Hole – 5000 Psig

BOP schematic diagrams attached.

4. CASING PROGRAM:

CASING	<u>Hole</u> Size	<u>Length</u>	Size	WEIGHT	<u>Grade</u>	Thread	Rating Collapse	<u>Factor</u> <u>Burst</u>	<u>Tensile</u>
Conductor	17 ½"	0 – 45'	13 3/8"	48.0#	H-40	STC	770 PSI	1730 PSI	322,000#
Surface	12 1/4"	0' - 2,300' KB±	9-5/8"	36.0#	J-55	STC	2020 PSI	3520 Psi	394,000#
Production	7-7/8"	Surface – TD	4-1/2"	11.6#	N-80	LTC	6350 PSI	7780 Psi	233,000#

Note: 12-1/4" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-5/8" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone.

All casing will be new or inspected.

EIGHT POINT PLAN



NATURAL BUTTES UNIT 634-12E NE/NE, SEC. 12, T10S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

5. Float Equipment:

Surface Hole Procedure (0'- 2300'±)

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of its. #2 and #3 then every 5th joint to surface. (15 total)

Production Hole Procedure (2300'± - TD):

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-1/2", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 2nd joint to 400' above Wasatch Island top. Thread lock float shoe, top and bottom of float collar, and top of 2nd joint.

6. MUD PROGRAM

Surface Hole Procedure (Surface - 2300'±):

Air/air mist or aerated water.

<u>Production Hole Procedure (2300' \pm - TD):</u> Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

2300'±-TD A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 2 – Item E: Special Drilling Operations

EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. Due to reduce location excavation, the blooie line will be approximately 75' in length

EIGHT POINT PLAN



NATURAL BUTTES UNIT 634-12E NE/NE, SEC. 12, T10S, R22E, S.L.B.&M.. **UINTAH COUNTY, UTAH**

8. EVALUATION PROGRAM:

Logs:

Mud log from base of surface casing to TD.

Cased-hole Logs:

Cased-hole logs will be run in lieu of open-hole logs consisting of the following:

Cement Bond / Casing Collar Locator and Pulsed Neutron

9. CEMENT PROGRAM:

Surface Hole Procedure (Surface - 2300'±):

Lead:

185 sks Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCI₂, 3 lb/sx GR3

¹/₄ #/sx Flocele mixed at 11 ppg, 3.82 ft³/sk. yield, 23 gps water.

Tail:

207 sks Class "G" cement with 2% CaCl₂, ½#/sk Flocele mixed at 15.6 ppg, 1.18 ft³/sk., 5.2

gps water.

Top Out: As necessary with Class "G" cement with 2% CaCI₂, ½#/sk Flocele mixed at 15.6 ppg, 1.18

ft³/sk., 5.2 gps water.

Note:

Cement volumes will be calculated to bring lead cement to surface and tail cement to

500'above the casing shoe.

Production Hole Procedure (2300'± - TD)

Lead:

105 sks: Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44

(Salt),0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29

(cello flakes) mixed at 11.0 ppg, 3.91 ft³/sk., 24.5 gps water.

Tail:

600 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075% D13

(Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at

14.1 ppg, 1.28 ft³/sk., 5.9gps water.

Note:

The above number of sacks is based on gauge-hole calculation.

Lead volume to be calculated to bring cement to 200'± above 9-5/8" casing shoe. Tail volume to be calculated to bring cement to 400'± above top of Wasatch.

Final Cement volumes will be based upon gauge-hole plus 45% excess.

EIGHT POINT PLAN



NATURAL BUTTES UNIT 634-12E NE/NE, SEC. 12, T10S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

10. ABNORMAL CONDITIONS:

Surface Hole (Surface - 2300'±):

Lost circulation

Production Hole (2300'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

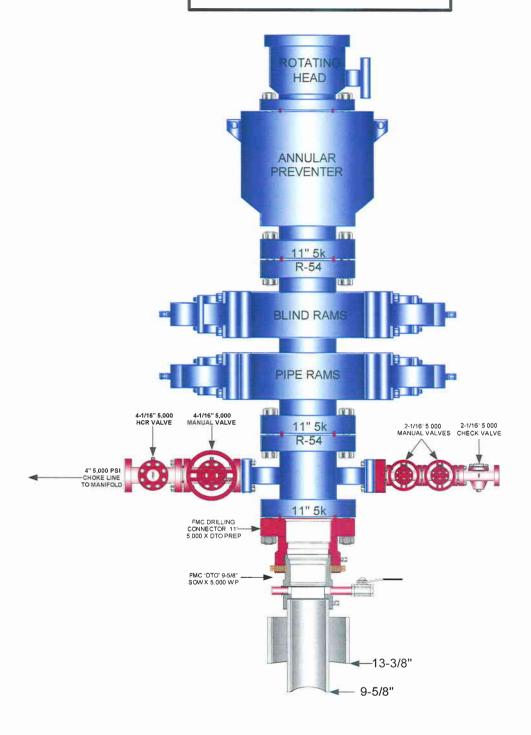
12. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

(Attachment: BOP Schematic Diagram)

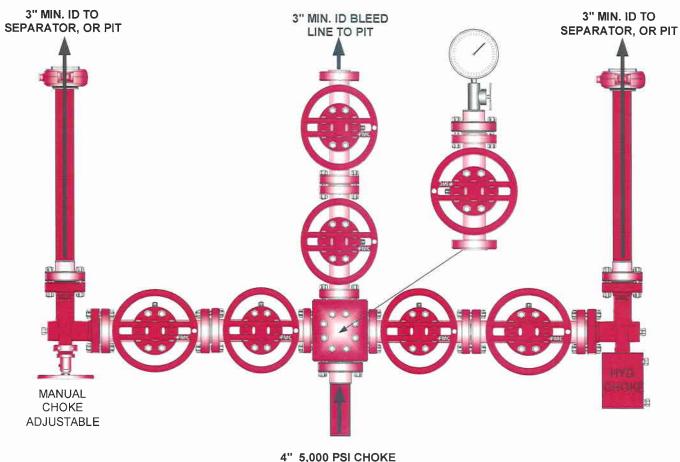
EOG RESOURCES 11" 5,000 PSI W.P. BOP CONFIGURATION

PAGE 1 OF 2



EOG RESOURCES CHOKE MANIFOLD CONFIGURATION W/ 5,000 PSI WP VALVES

PAGE 2 0F 2



4" 5,000 PSI CHOKE LINE FROM HCR VALVE

Testing Procedure:

- 1. BOP will be tested with a professional tester to conform to Onshore Order #2.
- 2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
- 3. Annular Preventer will be tested to 50% working pressure, 2,500 psi. Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, whichever is greater.
- 4. All lines subject to well pressure will be tested to the same pressure as blind and pipe rams.
- 5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.



Natural Buttes Unit 634-12E NENE, Section 12, T10S, R22E Uintah County, Utah

SURFACE USE PLAN

1. EXISTING ROADS:

- A. See attached Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 55.1 miles south of Vernal, Utah See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary.

2. PLANNED ACCESS ROAD:

- A. The access road will be approximately 1056' in length. See attached Topo B.
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade of the new access road will be 8 percent.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.
- I. A 40-foot permanent right-of-way is requested. No surfacing material will used.
- J. No additional storage areas will be needed for storing equipment, stockpiling, or vehicle parking.

All travel will be confined to existing access road rights-of-way.

New or reconstructed roads will be centerlined – flagged at time of location staking.

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 40 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around then avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

Traveling off the 40 foot right-of-way will not be allowed. The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Third Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:

See attached TOPO map "C" for the location of wells within a one-mile radius.

4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

A. On Well Pad

- 1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, two (2) 400 bbl vertical tanks and attaching piping.
- 2. Gas gathering lines A 4" gathering line will be buried from dehy to the edge of the location.

B. Off Well Pad

- 1. Proposed pipeline will transport natural gas.
- 2. The pipeline will be a permanent feeder line.
- 3. The length of the proposed pipeline is 1927' x 40'. The proposed pipeline leaves the northern edge of the well pad (Lease U-01197-A-ST) proceeding in a southerly direction for an approximate distance of 1927' tieing into an existing pipeline in the SWNE of Section 12, T10S, R22E (Lease U-01197-A-ST). Pipe

will be 4" NOM, 0.156 wall, Grade X42, Zap-Lock, electric weld with a 35 mil X-Tru coating.

- 4. Proposed pipeline will be a 4" OD steel, zap-lok line laid on the surface
- 5. Proposed pipeline will be laid on surface.
- 6. A 20-foot permanent pipeline right-of-way is requested. A 40-foot temporary pipeline right-of-way for construction purposes is requested, the temporary right-of-way will be utilized for a 10-day period.
- 7. Pipeline will be coupled using the Zap lock method. No additional off-pad facilities will be required.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. All facilities will be painted with Carlsbad Canyon. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water supply will be from Ouray Municipal Water Plant at Ouray, Utah, and/ or Bonanza Power Plant water source in Sec 26, T8S, R23E Uintah County, UT (State Water Right # 49-225(A31368)). Water will be hauled by a licensed trucking company.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

6. Source of Construction Materials:

- A. All construction material for this pipeline will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

7. METHODS OF HANDLING WASTE DISPOSAL:

A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.

- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.
- 4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, CWU 550-30N SWD or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).
- 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit or by removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

The reserve pit will be constructed so as not to leak, break, or allow discharge. If the reserve pit requires padding prior to lining (due to rocky conditions) felt padding will be used.

The reserve pit shall be lined with felt and a 16 millimeter plastic liner. Sufficient bedding (i.e. weed free straw, or hay; felt; polyswell or soil) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing or completion of the well.

8. ANCILLARY FACILITIES:

None anticipated.

9. WELL SITE LAYOUT:

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The reserve pit will be located on the west corner of the location. The flare pit will be located downwind of the prevailing wind direction, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled pit topsoil (first six inches) will be stored between corners #2 and #8, and corners #7 and #8. Upon completion of construction, the stockpiled topsoil from the location will be broadcast seeded with the approved seed mixture from this location and then walked down with a Caterpiller tractor.

Access to the well pad will be from the west.

FENCING REQUIREMENTS:

All pits will be fenced according to the following minimum standards:

- A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.)
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distances between any two posts shall be no greater than 16 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and, upon completion of construction, the fence shall be repaired to BLM or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is regularly traveled. If the well is a producer, the cattleguards (shall/shall not) be permanently counted on concrete bases. Prior to crossing any fence located on Federal land, or any fence between Federal land and private land, the operator will contact the BLM, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

10. PLANS FOR RECLAMATION OF THE SURFACE:

A. Interim Reclamation (Producing Location)

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours — See attached Figure #3. The reserve pit will be reclaimed within 90 days from the date of the well completion, or as soon as environmental conditions allow. Before any dirt takes place, the reserve pit must be completely dry and free of all foreign obstacles.

The stockpiled pit topsoil will then be spread over the pit area and broadcast seeded with the prescribed seed mixture for this location. The seeded area will then be walked down with a cat.

B. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriated surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP:

Surface ownership of the proposed well site, access road, and pipeline route is as follows:

State of Utah

12. OTHER INFORMATION:

- A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:
 - Whether the materials appear eligible for the National Register of Historic Places;
 - The mitigation measures the operator will likely have to undertake before the site can be used.
 - A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application or herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)
- D. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for

the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

If the existing access road, proposed access road, and proposed pad are dry during construction, drilling, and completion activities, water will be applied to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A Cultural Resources survey will be conducted and submitted by Montgomery Archaeological Consultants. A Paleontological survey will be conducted and submitted by Intermountain Paleo.

LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

PERMITTING AGENT

Kaylene R. Gardner EOG Resources, Inc. P.O. Box 1815 Vernal, Ut 84078 (435) 781-9111

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Please be advised that EOG Resources, Inc. is considered to be the operator of the Natural Buttes Unit 634-12E Well, located in the NENE, of Section 12, T10S, R22E, Uintah County, Utah; State land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

April 5, 2007

Date

Kaylene R. Gardner, Sr. Regulatory Assistant

EOG RESOURCES, INC.

NBU #634-12E

LOCATED IN UINTAH COUNTY, UTAH SECTION 12, T10S, R22E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY

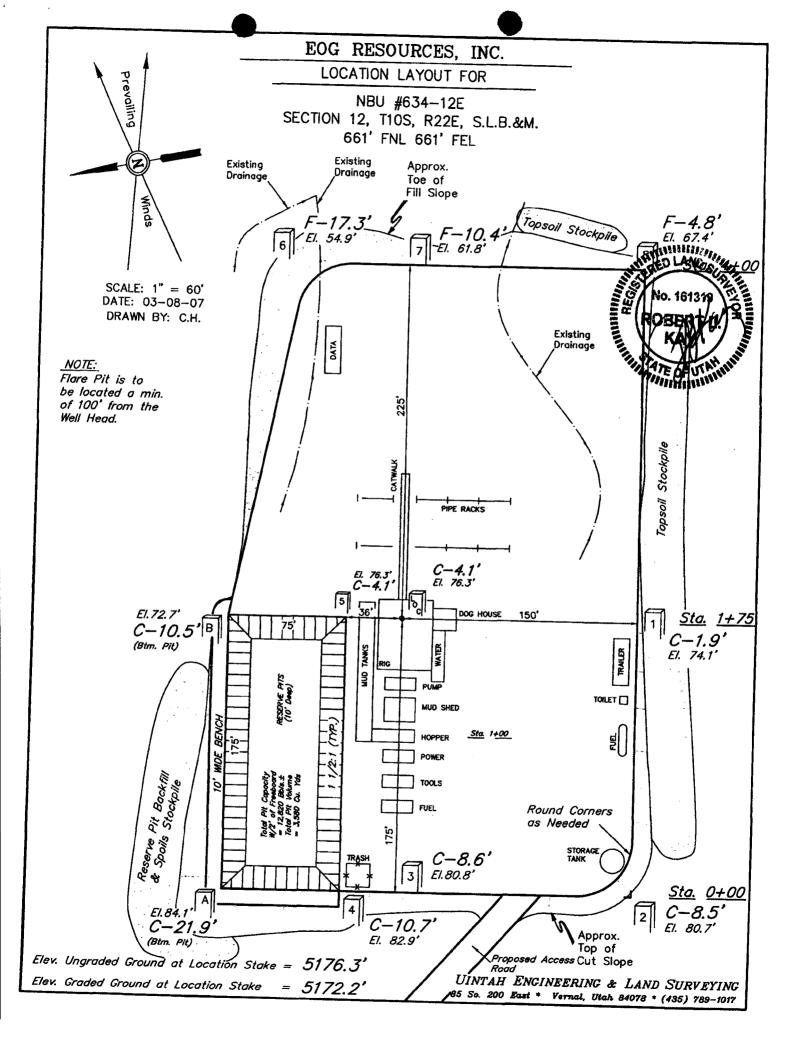


LOCATION	03	08 DAY	07 YEAR	РНОТ	
TAKEN BY: G.S.	DRAWN BY: A.A	A. REV	ISED: (00-00-00	

EOG RESOURCES, INC. NBU #634-12E SECTION 12, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 5.8 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 55.1 MILES.



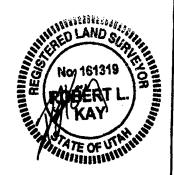
X-Section Scale 1" = 100'

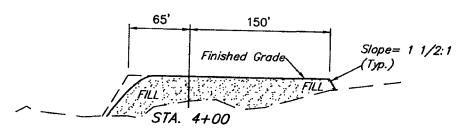
> DATE: 03-08-07 DRAWN BY: C.H.

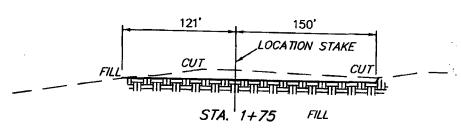
EOG RESOURCES, INC.

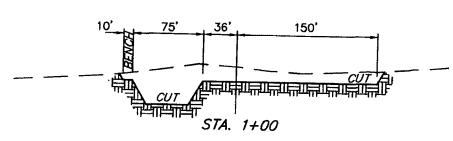
LOCATION LAYOUT FOR

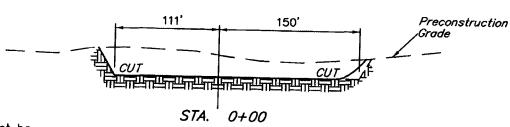
NBU #634-12E SECTION 12, T10S, R22E, S.L.B.&M. 661' FNL 661' FEL











NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping = 2,230 Cu. Yds.

Remaining Location

= 14,740Cu. Yds.

TOTAL CUT

= *16,970* CU.YDS.

FILL

= 12,950 CU.YDS.

* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

EXCESS MATERIAL

= 4,020 Cu. Yds.

Topsoil & Pit Backfill

4,020 Cu. Yds.

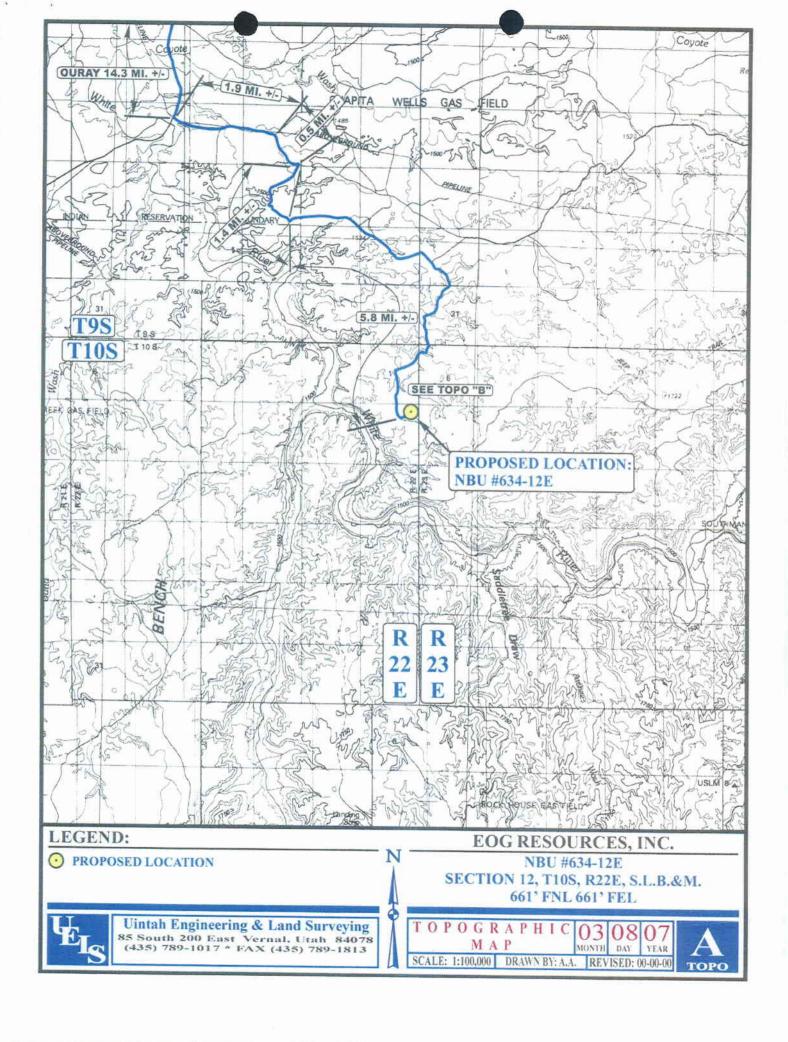
(1/2 Pit Vol.)

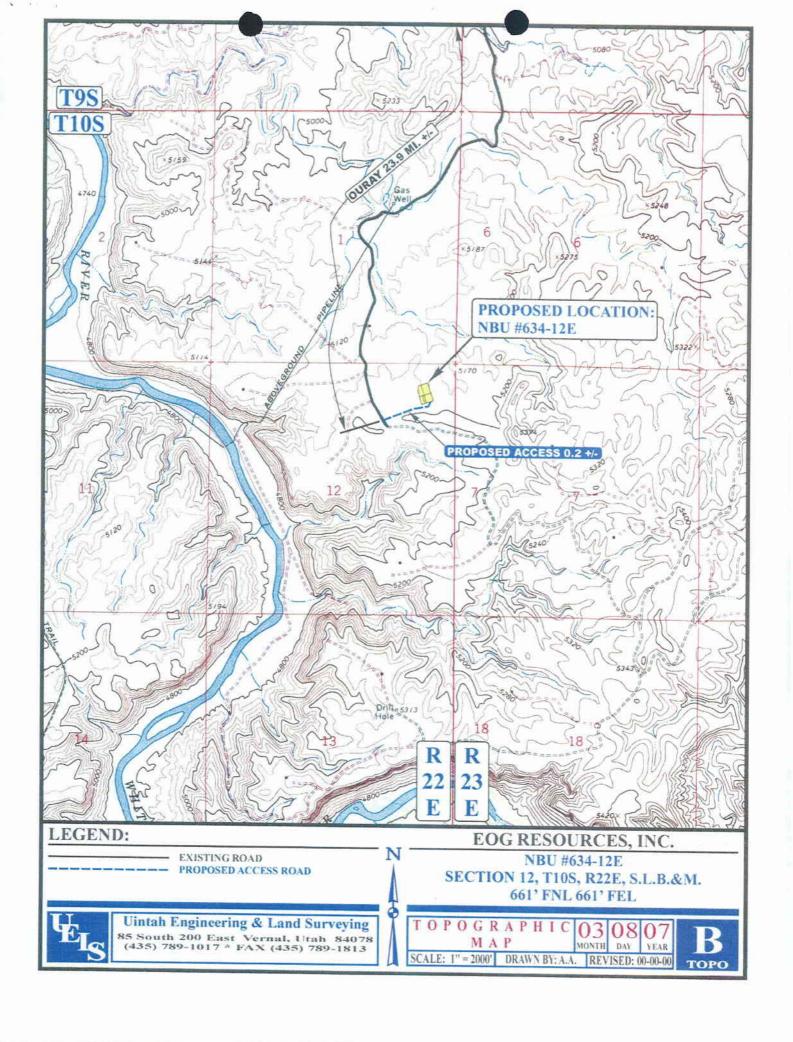
_ 0

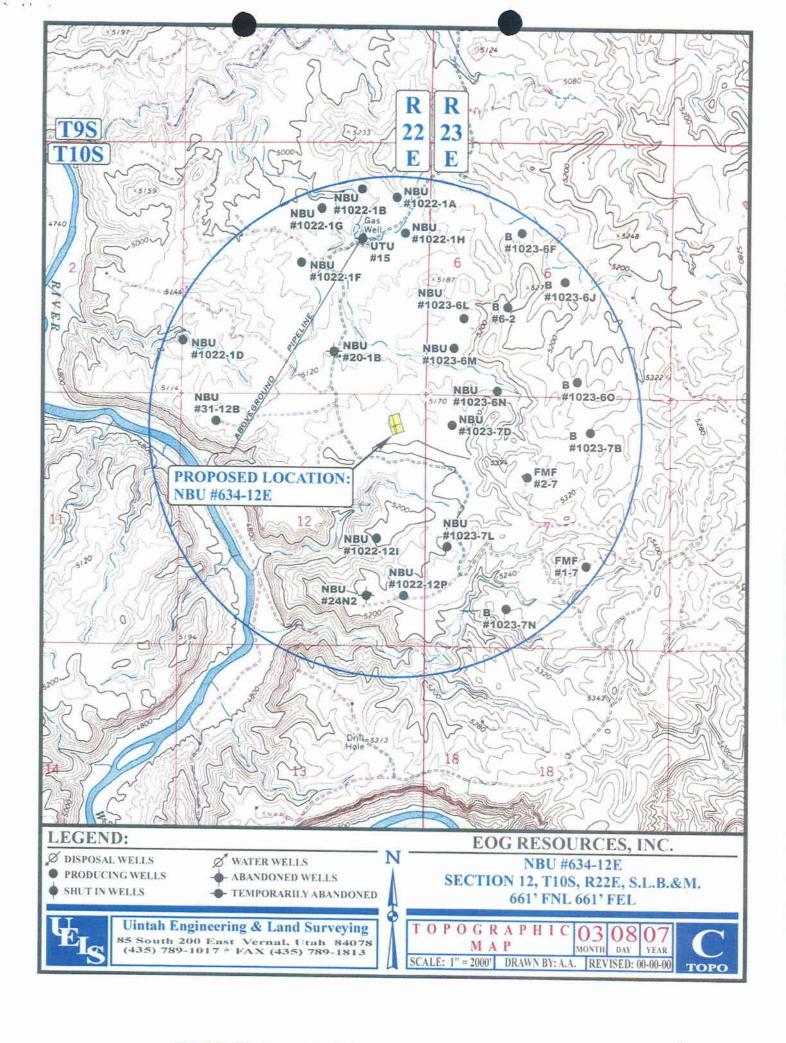
Cu. Yds.

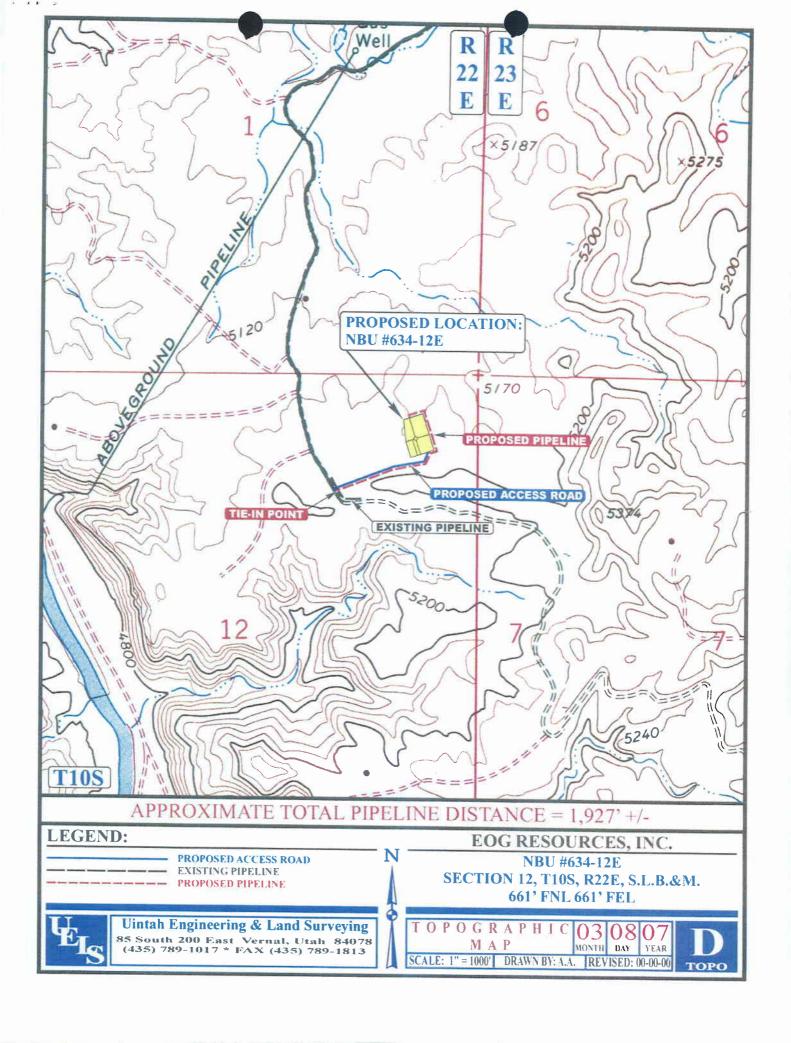
EXCESS UNBALANCE (After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING 86 So. 200 East * Vernal, Utah 84078 * (436) 789-1017

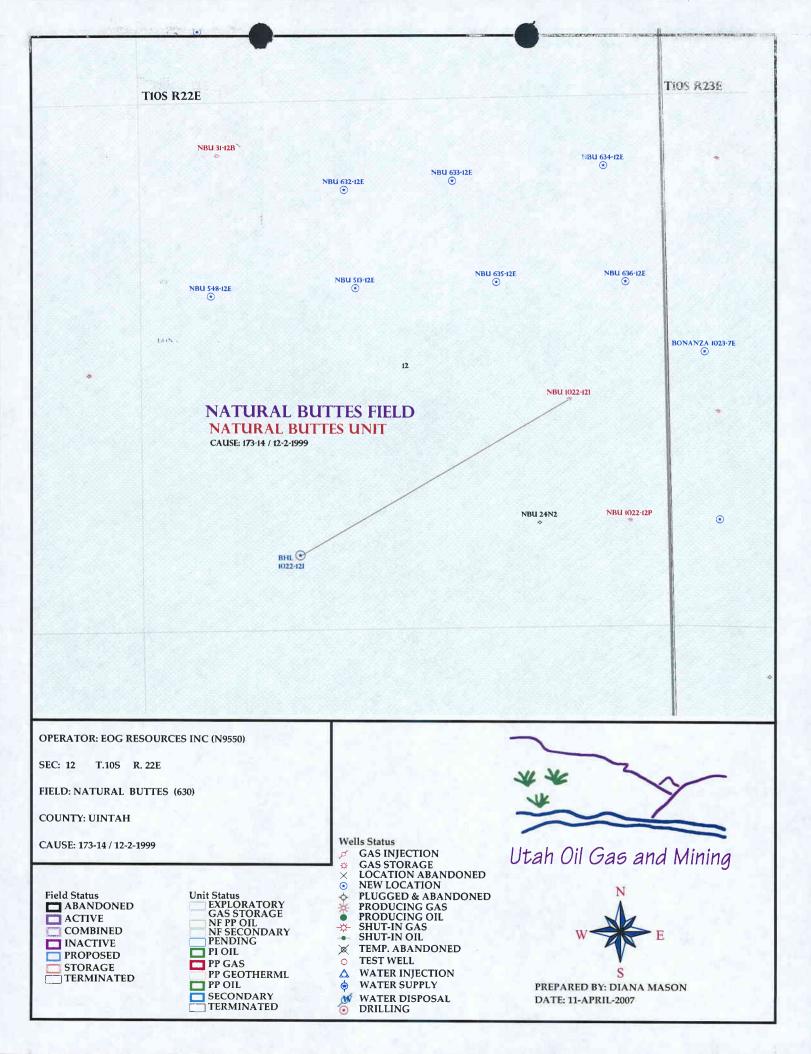








APD RECEIVED: 04/09/2007	API NO. ASSIGNED: 43-047-39194
WELL NAME: NBU 634-12E OPERATOR: EOG RESOURCES INC (N9550) CONTACT: KAYLENE GARDNER	PHONE NUMBER: 435-781-9111
PROPOSED LOCATION: NENE 12 100S 220E SURFACE: 0661 FNL 0661 FEL BOTTOM: 0661 FNL 0661 FEL COUNTY: UINTAH LATITUDE: 39.96893 LONGITUDE: -109.3806 UTM SURF EASTINGS: 638299 NORTHINGS: 44253 FIELD NAME: NATURAL BUTTES (630 LEASE TYPE: 3 - State LEASE NUMBER: U-01197-A-ST SURFACE OWNER: 3 - State	
Plat Bond: Fed[] Ind[] Sta[] Fee[] (No. 6196017) Potash (Y/N) Oil Shale 190-5 (B) or 190-3 or 190-13 Water Permit (No. 49-225) RDCC Review (Y/N) (Date:) Fee Surf Agreement (Y/N) Intent to Commingle (Y/N)	LOCATION AND SITING: R649-2-3. Unit: NATURAL BUTTES R649-3-2. General Siting: 460 From Qtr/Qtr & 920' Between Wells R649-3-3. Exception Drilling Unit Board Cause No: 17314 Eff Date: 19-2-1949 Siting: 460 W what Firstman Track R649-3-11. Directional Drill
	esit (05-22-07) EMENT OF Basis / e





Statement of Basis

5/29/2007

Utah Division of Oil, Gas and Mining

Page 1

APD No

API WellNo

Status

Well Type GW Surf Ownr

CBM

372

43-047-39194-00-00

. ...

S

No

Operator

EOG RESOURCES INC

Surface Owner-APD

Unit

Field

UNDESIGNATED

Type of Work

Location NENE 12 1

Well Name NBU 634-12E

NENE 12 10S 22E S 661 FNL 661 FEL C

GPS Coord (UTM) 638299E 4425354N

Geologic Statement of Basis

EOG proposes to set 2,300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 3,700'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of discontinuous sands interbedded with shales and is not expected to produce prolific aquifers. The production casing cement should be brought up above the base of the moderately saline ground water to isolate it from fresher waters uphole. The proposed casing and cement program should adequately protect usable ground water in the area.

Brad Hill

5/29/2007

APD Evaluator

Date / Time

Surface Statement of Basis

The general area is in the east end of the Natural Buttes Unit, which contains the White River and short rugged drainages that drain into the White River. Topography is varied and frequently dissected by short draws or washes, which become overly steep as they approach the White River breaks or rim. Distance to the White River varies from ¼ mile to 2 miles. The side drainages are dry except for ephemeral flows. No seeps or springs exist in the area. An occasional pond has been constructed to supply water for livestock and antelope. Vernal, Utah is approximately 35 air miles and 55 road miles to the northwest. The area is accessed by Utah State, Uintah County and oilfield development Roads to with 0.2 miles of the location where a new road will be constructed.

The proposed NBU 634-12E gas well is on the gentle west slope of a ridge. The slope steepens into the head of two draws, which run west. The head of both draws will be filled with cut material from the ridge. The location between pit corner B and Corner 6 has been tapered to avoid an additional draw to the south. No drainage concerns exist. Ledge rock outcrops occur along the ridge. A large Kerr McGee gas compressor station is being constructed about 100 yards south of the location. No interference is anticipated.

The location appears to be a suitable site for constructing and operating a well.

Both the surface and minerals for this location are owned by SITLA. Jim Davis and Ed Bonner of SITLA were invited to the pre-site evaluation but neither attended. Ben Williams and Daniel Emmett of the UDWR were also invited and neither attended.

Floyd Bartlett

5/22/2007

Onsite Evaluator

Date / Time

Conditions of Approval / Application for Permit to Drill

Category

Condition

Pits

A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be

properly installed and maintained in the reserve pit.

Utah Division of Oil, Gas and Mining

Operator

EOG RESOURCES INC

Well Name

NBU 634-12E

API Number 43-047-39194-0 **APD No 372**

Tw

10S

Field/Unit UNDESIGNATED

Location: 1/4.1/4 NENE

Sec 12

Rng 22E 661 FNL 661 FEL

GPS Coord (UTM) 638309

4425350

Surface Owner

Participants

Floyd Bartlett (DOGM), Byron Tolman (Representing EOG Resources).

Regional/Local Setting & Topography

The general area is in the east end of the Natural Buttes Unit, which contains the White River and short rugged drainages that drain into the White River. Topography is varied and frequently dissected by short draws or washes, which become overly steep as they approach the White River breaks or rim. Distance to the White River varies from ¼ mile to 2 miles. The side drainages are dry except for ephemeral flows. No seeps or springs exist in the area. An occasional pond has been constructed to supply water for livestock and antelope. Vernal, Utah is approximately 35 air miles and 55 road miles to the northwest. The area is accessed by Utah State, Uintah County and oilfield development Roads to with 0.2 miles of the location where a new road will be constructed.

The proposed NBU 634-12E gas well is on the gentle west slope of a ridge. The slope steepens into the head of two draws, which run west. The head of both draws will be filled with cut material from the ridge. The location between pit corner B and Corner 6 has been tapered to avoid an additional draw to the south. No drainage concerns exist, Ledge rock outcrops occur along the ridge. A large Kerr McGee gas compressor station is being constructed about 100 yards south of the location. No interference is anticipated.

Both the surface and minerals for this location are owned by SITLA.

Surface Use Plan

Current Surface Use

Grazing

Recreational

Wildlfe Habitat

New Road

Miles Well Pad Src Const Material

Surface Formation

0.2

Width 271

Length 400

Onsite

UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Moderately vegetated with Gardner saltbrush, halogeton, cheat grass, curly mesquite, sand lilies, prickly pear horsebrush and spring annuals

Antelope, small mammals and birds.

Soil Type and Characteristics

Shallow rocky, sandy loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y Paleo Potental Observed? N Cultural Survey Run? Y Cultural Resources? N

Reserve Pit

Site-Specific Factors		Site F	Ranking	
Distance to Groundwater (feet)	>200		0	
Distance to Surface Water (feet)	>1000		0	
Dist. Nearest Municipal Well (ft)	>5280		0	
Distance to Other Wells (feet)	300 to 1320		10	
Native Soil Type	Mod permeability		10	
Fluid Type	Fresh Water		5	
Drill Cuttings	Normal Rock		0	
Annual Precipitation (inches)	<10		0	
Affected Populations	<10		0	
Presence Nearby Utility Conduits	Present		15	
		Final Score	40	l Sensitivity Level

Characteristics / Requirements

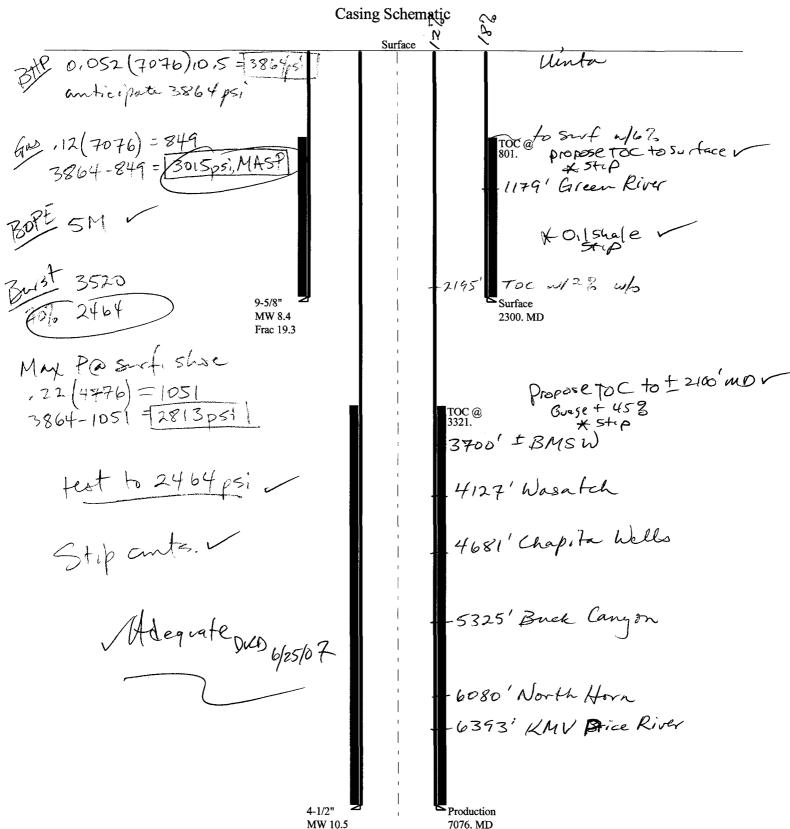
The reserve pit is planned in an area of cut in the northwest corner of the location. A liner with an appropriate thickness of felt sub-liner is required. EOG commonly uses a 16 mil liner.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

Other Observations / Comments

Floyd Bartlett 5/22/2007 **Evaluator** Date / Time

2007-06 EOG NBU 634-12E



Well name:

2007-06 EOG NBU 634-12E

Operator:

EOG Resources Inc.

String type:

Surface

Project ID:

43-047-39194

Location:

Uintah County

Minimum design factors:

Environment:

Collapse

Mud weight:

Design parameters:

Collapse: Design factor

1.125

H2S considered? Surface temperature: No 75 °F

8.400 ppg Design is based on evacuated pipe.

Bottom hole temperature: Temperature gradient:

107 °F 1.40 °F/100ft

Minimum section length:

290 ft

Burst:

Design factor

1.00

Cement top:

801 ft

Burst

Max anticipated surface

pressure:

2,024 psi

Internal gradient: Calculated BHP

0.120 psi/ft 2,300 psi

Tension:

8 Round STC: 8 Round LTC:

1.80 (J) 1.80 (J) 1.60 (J)

Premium:

Body yield: 1.50 (B) Non-directional string.

No backup mud specified.

Buttress: 1.50 (J)

Re subsequent strings:

Next setting depth: Next mud weight:

7,076 ft 10.500 ppg 3,860 psi

Tension is based on buoyed weight. Neutral point: 2.014 ft

Next setting BHP: Fracture mud wt: Fracture depth: Injection pressure:

19.250 ppg 2,300 ft 2,300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2300	9.625	36.00	J-55	ST&C	2300	2300	8.796	998.3
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1004	2020	2.013	2300	3520	1.53	73	394	5.43

Prepared

Helen Sadik-Macdonald

Div of Oil, Gas & Minerals

Phone: 801-538-5357 FAX: 801-359-3940

Date: June 7,2007 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2300 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

2007-06 EOG NBU 634-12E

Operator:

Location:

EOG Resources Inc.

String type:

Production

Uintah County

Project ID:

43-047-39194

Design parameters:

Collapse

Mud weight:

10.500 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125 **Environment:**

H2S considered?

75 °F Surface temperature:

174 °F Bottom hole temperature: 1.40 °F/100ft Temperature gradient:

Minimum section length: 1,500 ft

Burst:

Design factor

1.00

1.80 (J) 1.80 (J)

1.60 (J)

Cement top:

3,321 ft

No

Burst

Max anticipated surface

pressure:

2,303 psi

Internal gradient: Calculated BHP

0.220 psi/ft 3,860 psi

No backup mud specified.

Tension: 8 Round STC:

8 Round LTC: Buttress:

Body yield:

Premium: 1.50 (J) 1.50 (B)

Tension is based on buoyed weight. Neutral point: 5.965 ft

Non-directional string.

Run Seq	Segment Length	Size	Nominal Weight	Grade	End Finish	True Vert Depth	Measured Depth	Drift Diameter	Internal Capacity	
	(ft)	(in)	(lbs/ft)			(ft)	(ft)	(in)	(ft³)	
1	7076	4.5	11.60	N-80	LT&C	7076	7076	3.875	617.5	
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension	
Seq	Load (psi)	Strength (psi)	Design Factor	Load (psi)	Strength (psi)	Design Factor	Load (Kips)	Strength (Kips)	Design Factor	
1	3860	6350	1.645	3860	7780	2.02	(Kips) 69	223	3.22 J	

Prepared

Helen Sadik-Macdonald

Div of Oil, Gas & Minerals

Phone: 801-538-5357

FAX: 801-359-3940

Date: June 7,2007 Salt Lake City, Utah

Collapse is based on a vertical depth of 7076 ft, a mud weight of 10.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

From: Ed Bonner
To: Mason, Diana
Date: 6/7/2007 4:43 PM
Subject: Well Clearance

CC: Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil

The following wells have been given cultural resources clearance by the Trust Lands Cultural Resources Group:

Enduring Resources, LLC Coyote Basin 8-25-11-16 (API 43 047 39189) EOG Resources, Inc NBU 635-12E (API 43 047 39190) NBU 636-12E (API 43 047 39191) NBU 632-12E (API 43 047 39192) NBU 633-12E (API 43 047 39193) NBU 634-12E (API 43 047 39194)/ Kerr McGee Oil & Gas Onshore LP NBU 1022-25B (API 43 047 39032) NBU 1022-25G (API 43 047 39142) NBU 1021-31A (API 43 047 39111) State 1021-31M (API 43 047 39112) State 1021-31E (API 43 047 39113) State 1021-31D (API 43 047 39114) State 1021-31C (API 43 047 39115) / NBU 1021-31B (API 43 047 39116) State 1021-31P (API 43 047 39117) State 1021-31L (API 43 047 39118) State 1021-31N (API 43 047 39119) State 1021-310 (API 43 047 39120) State 1021-31I (API 43 047 39121) State 1021-31J (API 43 047 39122)

State 1021-31K (API 43 047 39123) / State 1021-31F (API 43 047 39124) / State 1021-31G (API 43 047 39125) / State 1021-31H (API 43 047 39126) /

If you have any questions regarding this matter please give me a call.





MICHAEL R. STYLER Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

June 25, 2007

EOG Resources, Inc. 1060 East Highway 40 Vernal, UT 84078

Re:

Natural Buttes 634-12E Well, 661' FNL, 661' FEL, NE NE, Sec. 12, T. 10 South,

R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39194.

Sincerely,

Gil Hunt

Associate Director

er

Enclosures

cc:

Uintah County Assessor

Bureau of Land Management Vernal Office

SITLA



Operator:		EOG Resources, Inc.					
Well Name & Number Natural Buttes 634-12E							
API Number:		43-047-39194					
Lease:		U 01197-A-ST					
Location: <u>NE NE</u>	Sec. 12	T. 10 South	R. <u>22 East</u>				

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to spudding the well contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well contact Dustin Doucet
- Any changes to the approved drilling plan contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

• Dan Jarvis at: (801) 538-5338 office (801) 942-0873 home

Carol Daniels at: (801) 538-5284 office
Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Page 2 43-047-39194 June 25, 2007

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
- 6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.
- 7. Surface casing shall be cemented to the surface.
- 8. Cement volume for the 4 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to \pm 2100' MD as indicated in the submitted drilling plan.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Cor	mpany:	EO	<u>G RESOU</u>	<u>JRCES</u>	INC			
Well Name:		NBI	U 634-12 I	E				
Api No:	43-047-39	9194		Lease	е Туре: <u>ST</u>	ATE		
Section 12	Townsh	p 10S	Range_	22E	_County	UIN	NTAH	
Drilling Cor	ntractor <u>RC</u>	OCKY MO	OUNTAL	N DRL	GR	IG #	RATHOLE	
SPUDDE	D:							
	Date	04/29	/08	-				
	Time	2:30	PM	_				
	How	DRY		_				
Drilling wi	ill Comme	nce:						_
Reported by		JE	RRY BA	RNES				
Telephone #		(4	35) 828-1	720				
Date	04/29/08	S	igned	СНД				

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM

zip 80202

Operator:

EOG Resources, Inc.

Operator Account Number: N 9550

Address:

600 17th St., Suite 1000N

city Denver

state CO

Phone Number: (303) 824-5526

Well 1

API Number	Well	Name	QQ	Sec	Twp	Rng	County	
43-047-38988	East Chapita 31-16		NWSW	16	98	23E	Uintah	
Action Code	Current Entity Number	New Entity Number	Sı	pud Da	te		ty Assignment ffective Date	
A	99999	16820	4	4/26/2008		4/30/08		

Well 2

API Number	Wel	Name	QQ Sec Twp			Rng County		
43-047-39197	Chapita Wells Unit 6	97-32	SWNW 32 9S			23E Uintah		
Action Code	Current Entity Number	New Entity Number	Sı	pud Da	te		y Assignment lective Date	
В	99999	16821	4/28/2008		4/	30/08		

Well 3

API Number	Weil	Name	QQ Sec Twp			Rng County		
43-047-39194	Natural Buttes Unit 6	34-12E	NENE 12 10S			22E Uintah		
Action Code	Current Entity Number	New Entity Number	S	pud Da	te	•	ty Assignment ffective Date	
В	99999	3900	4	/29/200	8	4/	30/08	
Comments: Wasa	atch well $= W577$							

ACTION CODES:

- A Establish new entity for new well (single well only)
- **B** Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

RECEIVED APR 3 0 2008

Man	/ A.	Maes	stas

Name (Please Print) Signature Regulatory Assistant 4/30/2008 Title

Date

(5/2000)

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
OUNDRY NOTICES AND REPORTS ON M	U-01197-A-ST 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
SUNDRY NOTICES AND REPORTS ON W	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-ho drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such p	ole depth, reenter plugged wells, or to proposals. 7. UNIT or CA AGREEMENT NAME: Natural Buttes Unit
1. TYPE OF WELL OIL WELL GAS WELL . OTHER	8. WELL NAME and NUMBER:
2. NAME OF OPERATOR:	Natural Buttes Unit 634-12E 9. API NUMBER:
EOG Resources, Inc.	43-047-39194
3. ADDRESS OF OPERATOR: 600 17th St., Suite 1000N CITY Denver STATE CO ZIP 80202	PHONE NUMBER: 10. FIELD AND POOL, OR WILDCAT: Natural Buttes/Wasatch
4. LOCATION OF WELL FOOTAGES AT SURFACE: 661' FNL & 661' FEL 39.968847 LAT 109.3812	200 LON COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 12 10S 22E S.L	B. & M. STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATU	RE OF NOTICE, REPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION
NOTICE OF INTENT	
	CTURE TREAT SIDETRACK TO REPAIR WELL STUDIES OF THE PROPERTY
	CONSTRUCTION TEMPORARILY ABANDON
	RATOR CHANGE UTUBING REPAIR
	G AND ABANDON L VENT OR FLARE S BACK WATER DISPOSAL
(Submit Original Form Only)	B BACK WATER DISPOSAL DUCTION (START/RESUME) WATER SHUT-OFF
Date of work completion:	AMATION OF WELL SITE OTHER: Well spud
	DMPLETE - DIFFERENT FORMATION
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent deta	
The referenced well spud on 4/29/2008.	
The following wall open on the open of the open of the open of the open of the open open open open open open open ope	
NAME (PLEASE DRINT) Mary A. Maestas	Regulatory Assistant
NAME (PLEASE PRINT) IVIAL Y A. IVIALESTAS	
SIGNATURE // Wy . // W. Ja-	DATE 4/30/2008

(This space for State use only)

RECEIVED MAY 0 2 2008

STATE OF UTAH

	DEDADTMENT OF NATURAL RECOLU	DOES			. 5 5
1	DEPARTMENT OF NATURAL RESOU DIVISION OF OIL, GAS AND MI			5. LEASE DESIGNA U-01197-A-	TION AND SERIAL NUMBER:
SUNDRY	NOTICES AND REPORTS	S ON WEL	LS	6. IF INDIAN, ALLO	ITEE OR TRIBE NAME:
	ew wells, significantly deepen existing wells below cur terals. Use APPLICATION FOR PERMIT TO DRILL t			7. UNIT or CA AGRE Natural Butt	
TYPE OF WELL OIL WELL				8. WELL NAME and Natural Butte	NUMBER: es Unit 634-12E
2. NAME OF OPERATOR: EOG Resources, Inc.				9. API NUMBER: 43-047-3919	
3. ADDRESS OF OPERATOR:	Dominar	90202	PHONE NUMBER:	10. FIELD AND POO	DL, OR WILDCAT:
600 17th St., Suite 1000N 4. LOCATION OF WELL	, Denver STATE CO ZIP	00202	(303) 824-5526	Natural Dutte	5/ VV asaton
FOOTAGES AT SURFACE: 661' FI	NL & 661' FEL 39.968847 LAT	109.381200 เ	_ON	соинту: Uinta	ıh
QTR/QTR, SECTION, TOWNSHIP, RANG	GE, MERIDIAN: NENE 12 10S 2	22E S.L.B.	& M.	STATE:	UTAH
11. CHECK APPR	ROPRIATE BOXES TO INDICAT	E NATURE	OF NOTICE, REPO	RT, OR OTHE	R DATA
TYPE OF SUBMISSION		<u></u>	YPE OF ACTION		
✓ NOTICE OF INTENT	ACIDIZE	DEEPEN			ATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE		<u> </u>	(TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	MEW CONS			RILY ABANDON
•	CHANGE TO PREVIOUS PLANS	☐ OPERATOR		TUBING RE	
П	CHANGE TUBING	PLUG AND		U VENT OR F	
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK		WATER DIS	
Date of work completion:	CHANGE WELL STATUS	PRODUCTIO	ON (START/RESUME)	WATER SH	UT-OFF
	COMMINGLE PRODUCING FORMATIONS		ON OF WELL SITE	OTHER:	
	CONVERT WELL TYPE	RECOMPLE	TE - DIFFERENT FORMATION	-	
	30N SWD SWD			oy the ion of Mining	y of the following
NAME (PLEASE PRINT) Mary A. M	aestas	TITL	E Regulatory Assis	tant	
SIGNATURE MANA	a. Manda	DAT	4/30/2008		
* * * * * * * * * * * * * * * * * * *					

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RECEIVED MAY 0 2 2008

FORM 9

STATE OF UTAH
ARTMENT OF NATURAL RESOURCE

	DEPARTMENT OF NATURAL RESOUR	RCES	
	DIVISION OF OIL, GAS AND MI	NING	5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST
SUNDRY	NOTICES AND REPORTS	S ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill n drill horizontal la	new weils, significantly deepen existing wells below cur aterals. Use APPLICATION FOR PERMIT TO DRILL f	rrent bottom-hole depth, reenter plugged wells, or to form for such proposals.	7. UNIT or CA AGREEMENT NAME: Natural Buttes Unit
1. TYPE OF WELL OIL WELL	GAS WELL 🗸 OTHER_		8. WELL NAME and NUMBER: Natural Buttes Unit 634-12E
2. NAME OF OPERATOR:			9. API NUMBER:
EOG Resources, Inc.			43-047-39194
3. ADDRESS OF OPERATOR: 1060 East Highway 40	Vernal UT	84078 PHONE NUMBER: (435) 781-9145	10. FIELD AND POOL, OR WILDCAT: Natural Buttes/Wasatch
4. LOCATION OF WELL	NL & 661' FEL 39.968847 LAT	109 381200 LON	соилту: Uintah
FOOTAGES AT SURFACE. OOT 1	NE & 001 1 EE 39.900047 EAT	109.00 1200 EON	COOKIT. CITICAL
QTR/QTR, SECTION, TOWNSHIP, RAN	IGE, MERIDIAN: NENE 12 10S 2	22E S.L.B. & M.	STATE: UTAH
11. CHECK APPI	ROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
✓ SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	✓ other: Drilling Operations
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	<u> </u>
12 DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clearly show all p	pertinent details including dates, denths, volum	es etc
Attached please find well	chronology report for the reference	ced well.	
NAME (PLEASE PRINT) Mickenzie	Thacker	TITLE Operations Clerk	
Marienari	Myrchatel	10/6/2008	
SIGNATURE WYWWW	1 Walle (*)	DATE 10/8/2008	
(This space for State use only)			DECENTED

OCT 0 8 2008

WELL CHRONOLOGY REPORT

Report Generated On: 10-07-2008

Well Name	NBU 634-12E	Well Type	DEVG	Division	DENVER
Field	NATURAL BUTTES	API#	43-047-39194	Well Class	COMP
County, State	UINTAH, UT	Spud Date	05-11-2008	Class Date	
Tax Credit	N	TVD / MD	7,076/ 7,076	Property #	061453
Water Depth	0	Last CSG	2.375	Shoe TVD / MD	0/0
KB / GL Elev	5,185/ 5,172				
Location	Section 12, T10S, R22E, NE	NE, 661 FNL & 661	FEL		

DRILL & COMPLETE

Operator	EO	G RESOURC	ES, INC	WI %	48.0	062		NRI %		48.062	
AFE No		304699		AFE Total		1,358,400		DHC / C	CWC	657,7	700/ 700,700
Rig Contr	ELE	NBURG	Rig Name	e ELEN	BURG #28	Start Date	07-	-11-2007	Release	Date	05-20-2008
07-11-2007	R	eported By	SI	HARON CAUD	ILL						
DailyCosts: Da	rilling	\$0		Cor	npletion	\$0		Dail	y Total	\$0	
Cum Costs: D	rilling	\$0		Cor	npletion	\$0		Wel	l Total	\$0	
MD	0	TVD	0	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation:			PBTD : 0	0.0		Perf:			PKR D	epth: 0.	0

Activity at Report Time: LOCATION DATA

1.0

Event No

Start End Hrs Activity Description

06:00 06:00 24.0 LOCATION DATA

661' FNL & 661' FEL (NE/NE) SECTION 12, T10S, R22E UINTAH COUNTY, UTAH

LAT 39.968847, LONG 109.381200 (NAD 83) LAT 39.968881, LONG 109.380519 (NAD 27)

Description

ELENBURG #28

OBJECTIVE: 7076' TD, MESAVERDE

DW/GAS

NATURAL BUTTES DEEP PROSPECT

DD&A: NATURAL BUTTES NATURAL BUTTES FIELD

LEASE: UO-01197-A-ST

ELEVATION: 5176.3' NAT GL, 5172.2' PREP GL (DUE TO ROUNDING THE PREP GL WILL BE 5172'), 5185 'KB

(13')

EOG WI 66.666667%, NRI 48.061643%

04-16-2008 Reported By

TERRY CSERE

DailyCosts: Drilling	\$38,000		npletion	\$0		Daily 1		\$38,000	
Cum Costs: Drilling	\$38,000		npletion	\$0		Well T		\$38,000	
MD 0	TVD	0 Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :		TD: 0.0		Perf:			PKR De	pth: 0.0	
Activity at Report Ti									
Start End 06:00 06:00	-	Description LOCATION 4/16/08.							
	eported By	TERRY CSERE		22		~		ΦΔ.	
DailyCosts: Drilling	\$0 \$38,000		npletion	\$0 \$0		Daily 1		\$0 \$38,000	
Cum Costs: Drilling			npletion		0	Well T			0.0
MD 0	TVD	0 Progress	0	Days	0	MW	0.0	Visc	0.0
Formation : Activity at Report Tir		TION.		Perf:			PKR De	ptn : 0.0	
•		Description							
Start End 06:00 06:00		ON 10% COMPLETE.							
	eported By	TERRY CSERE							
	\$0		anlatian	\$0		Daily 7	Fotal	\$0	
DailyCosts: Drilling Cum Costs: Drilling	\$38,000		npletion npletion	\$0 \$0		Daily T Well T		\$38,000	
			•		0		0.0		0.0
	TVD	0 Progress	0	Days	U	MW		Visc	0.0
Formation : Activity at Report Tii		fD: 0.0		Perf:			PKR De	ptn : 0.0	
Start End 06:00 06:00	•	 Description ON 15% COMPLETE. 							
	eported By	TERRY CSERE							
0. 21 2000 KG	ported By							\$0	
DailyCosts: Drilling	\$0	Con	nnlation	\$0		Daily 7	intal		
	\$0 \$38.000		npletion	\$0 \$0		Daily T			
Cum Costs: Drilling	\$38,000	Com	npletion	\$0	0	Well T	otal	\$38,000	0.0
Cum Costs: Drilling MD 0	\$38,000 TVD	Com 0 Progress	-	\$0 Days	0	_	otal 0.0	\$38,000 Visc	0.0
Cum Costs: Drilling MD 0 Formation:	\$38,000 TVD PB1	Com 0 Progress TD: 0.0	npletion	\$0	0	Well T	otal	\$38,000 Visc	0.0
Formation : Activity at Report Ti	\$38.000 TVD PB1 me: BUILD LOCA	Com O Progress FD: 0.0 TION	npletion	\$0 Days	0	Well T	otal 0.0	\$38,000 Visc	0.0
Cum Costs: Drilling MD 0 Formation: Activity at Report Tir	\$38,000 TVD PB1 me: BUILD LOCA Hrs Activity	Com 0 Progress TD: 0.0	n pletion	\$0 Days	0	Well T	otal 0.0	\$38,000 Visc	0.0
Cum Costs: Drilling MD 0 Formation : Activity at Report Til Start End 06:00 06:00	\$38,000 TVD PB1 me: BUILD LOCA Hrs Activity	Com 0 Progress FD: 0.0 TION Description	n pletion	\$0 Days	0	Well T	otal 0.0	\$38,000 Visc	0.0
Cum Costs: Drilling MD 0 Formation: Activity at Report Til Start End 06:00 06:00 04-22-2008 Re	\$38,000 TVD PBT me: BUILD LOCA Hrs Activity 24.0 LOCATI	Com 0 Progress FD: 0.0 TION Description ON 20% COMPLETE. TERRY CSERE	opletion 0	\$0 Days Perf:	0	Well To	0.0 PKR Dep	\$38,000 Visc pth: 0.0	0.0
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DailyCosts: Drilling	\$0		pletion	\$0		•	Total Total	\$0	
Cum Costs: Drilling	\$38,000		pletion	\$0		Well	Total	\$38,000	
MD 0		0 Progress	0	Days	0	MW	0.0	Visc	0.0
Formation:		D : 0.0		Perf:			PKR De	pth: 0.0	
Activity at Report Ti									
Start End	•	Description							
06:00 06:00		ON 35% COMPLETE.							
04-24-2008 Re	eported By	TERRY CSERE							
DailyCosts: Drilling	\$0		pletion	\$0		Daily	Total	\$0	
Cum Costs: Drilling	\$38,000	Com	pletion	\$0		Well	Total	\$38,000	
MD 0	TVD	0 Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	PBT	D : 0.0		Perf:			PKR De	pth: 0.0	
Activity at Report Ti	me: BUILD LOCAT	TION							
Start End	Hrs Activity	Description							
06:00 06:00	24.0 LOCATIO	ON 40% COMPLETE.							
04-25-2008 Re	eported By	TERRY CSERE							
DailyCosts: Drilling	\$0	Com	pletion	\$0		Daily	Total	\$0	
Cum Costs: Drilling	\$38,000	Com	pletion	\$0		Well	Total	\$38,000	
MD 0	TVD	0 Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	PBT	D : 0.0		Perf:			PKR De	pth: 0.0	
Activity at Report Tir	me: BUILD LOCAT	TION							
	= 0								
		Description							
	Hrs Activity								•
Start End 06:00 06:00	Hrs Activity	Description							
Start End 06:00 06:00 04-28-2008 Re	Hrs Activity 24.0 LOCATIO	Description ON 45% COMPLETE. TERRY CSERE	pletion	\$0		Daily	[,] Total	\$0	
Start End 06:00 06:00 04-28-2008 Re DailyCosts: Drilling	Hrs Activity 24.0 LOCATIO	Description ON 45% COMPLETE. TERRY CSERE Com		\$0 \$0		•	Total	\$0 \$38,000	
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Start End 06:00 06:00 04-28-2008 Re DailyCosts: Drilling Cum Costs: Drilling MD 0 Formation: Activity at Report Tin Start End 06:00 06:00 04-29-2008 Re DailyCosts: Drilling Cum Costs: Drilling MD 0 Formation: Activity at Report Tin Start End 06:00 06:00 04-29-2008 Re DailyCosts: Drilling Cum Costs: Drilling MD 0 Formation: Activity at Report Tin	Hrs Activity 24.0 LOCATIO ported By \$0 \$38,000 TVD PBT me: BUILD LOCATIO ported By \$0 \$38,000 TVD PBT me: BUILD LOCATIO PBT me: BUILD LOCATIO	Description ON 45% COMPLETE. TERRY CSERE Com Com 0 Progress D: 0.0 TION Description ON 50% COMPLETE. TERRY CSERE Com	apletion 0 apletion apletion	\$0 Days Perf: \$0 \$0 Days		Well MW Daily Well	O.0 PKR De	\$38,000 Visc pth: 0.0 \$0 \$38,000 Visc	
Start End 06:00 06:00 04-28-2008 Re DailyCosts: Drilling Cum Costs: Drilling MD 0 Formation: Activity at Report Tin Start End 06:00 06:00 04-29-2008 Re DailyCosts: Drilling Cum Costs: Drilling MD 0 Formation:	Hrs Activity 24.0 LOCATIO ported By \$0 \$38,000 TVD PBT me: BUILD LOCATIO ported By \$0 \$38,000 TVD PBT me: BUILD LOCATIO ported By \$0 \$38,000 TVD PBT me: BUILD LOCATIO Activity Activity Activity Activity Activity	Description ON 45% COMPLETE. TERRY CSERE Com Com 0 Progress D: 0.0 TION Description ON 50% COMPLETE. TERRY CSERE Com Com 0 Progress D: 0.0	apletion 0 apletion apletion 0	\$0 Days Perf: \$0 \$0 Days		Well MW Daily Well	O.0 PKR De	\$38,000 Visc pth: 0.0 \$0 \$38,000 Visc	

DailyCosts: Drilling		\$0		Completion \$0			Daily	Total	\$0		
Cum Costs: I	Orilling	\$38,0	00	Com	pletion	\$0		Well 7	otal	\$38,000	
MD	60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :			PBTD:	0.0		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: WO AIR RIG

Start	End	Hrs	Activity Description	
06:00	06:00	24.0	LOCATION COMPLETE.	ROCKY MOUNTAIN DRILLING SPUD A 20" HOLE ON 04/29/08 @ 2:30 PM. SET 60' OF
			14" CONDUCTOR, CEMEN	NT TO SURFACE WITH READY MIX. JERRY BARNES NOTIFIED CAROL DANIELS

W/UDOGM AND MICHAEL LEE W/BLM OF THE SPUD 04/29/08 @ 2:00 PM.

05-08-2008	R	eported By		JERRY BARNES							
DailyCosts: Drilling \$189,826		6	Com	\$0		Daily	Total	\$189,826			
Cum Costs: Drilling		\$227,82	6	Com	pletion	\$0		Well 7	Fotal	\$227,826	
MD	60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation: PBTI		BTD	: 0.0		Perf:			PKR De	pth: 0.0		

Activity at Report Time: WORT

Start End Hrs Activity Description

06:00 06:00

24.0 MIRU CRAIGS AIR RIG #2 ON 5/4/2008. DRILLED 12-1/4" HOLE TO 2050' GL WITH CLOSED LOOP SYSTEM. ENCOUNTERED WATER @ 910' & 1480'. RAN 47 JTS (2009.30') OF 9-5/8", 36.0#/ FT, J-55, ST&C CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 8 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE. LANDED @ 2022' KB. RDMO AIR RIG.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 2100 PSIG. PUMPED 155 BBLS FRESH WATER & 20 BBLS GELLED WATER FLUSH AHEAD OF CEMENT. MIXED & PUMPED 300 SX (61.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX.

DISPLACED CEMENT W/152 BBLS FRESH WATER. BUMPED PLUG W/500# @ 9:07 AM, 5/6/2008. CHECKED FLOAT, FLOAT HELD. SHUT–IN CASING VALVE. NO RETURNS.

TOP JOB # 1: MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX, NO RETURNS. WOC 2 HRS 40 MINUTES.

TOP JOB # 2: MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 2 HRS.

TOP JOB # 3: MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS, WOC 2 HRS.

TOP JOB # 4: MIXED & PUMPED 200 SX (41 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 2 HRS.

TOP JOB # 5: MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 3 HRS.

TOP JOB # 6: MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. HOLE FILLED & STOOD FULL. RDMO HALLIBURTON CEMENTERS.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

MIRU GLENNS WIRELINE SERVICE. RAN IN HOLE W/STRAIGHT HOLE SURVEY. TAGGED CEMENT @ 1910'. PICKED UP TO 1890' & TOOK SURVEY. 3.0 DEGREE.

CONDUCTOR LEVEL RECORD: PS= 89.8 OPS= 89.7 VDS= 89.8 MS= 89.6. 9 5/8 CASING LEVEL RECORD: PS= 89.8 OPS= 89.8 VDS= 90.0 MS= 89.87.

KYLAN COOK NOTIFIED JAMIE SPARGER W/BLM & ROOSEVELT OFFICE W/UDOGM OF THE SURFACE CASING & CEMENT JOB ON 5/4/2008 @ 12:15 PM.

			CASING & CE	MENT JOB ON	5/4/2008 (@ 12:15 PM.					
05-11-20	008 Re	ported :	By M.	ATT WILLIAM	S						
DailyCost	ts: Drilling	\$	67,503	Com	pletion	\$0		Dail	y Total	\$67,503	
Cum Cos	ts: Drilling	\$	295,329	Com	pletion	\$0		Well	Total	\$295,329	
MD	2,022	TVD	2,022	Progress	0	Days	0	MW	0.0	Visc	0.0
Formatio	n:		PBTD : 0	.0		Perf:			PKR De	pth: 0.0	
Activity a	t Report Ti	me: RUR	T/RIG REPAIR								
Start	End	Hrs	Activity Desc	ription							
06:00	15:30	9.5	RIG MOVE .6 M PERSONNEL, (NOTIFIED ST ESTIMATED 1	RIG DOWN, MO ATE OF UTAH	OVE & R @ 1500 O	G UP, SET I N 5/10/08, D	BOP, TEST D AVE HACKF	TO HEAD A	ND LOCK D	OWN BOP W/ I	FMC REP.
15:30	21:00	5.5	C/O HYDRAUI SLIDES FOR S		. SWIVEL.	REBUILD S	SWIVEL, C/0	O BROKEN S	STUDS IN PL	JMP PODS, BU	ILD
21:00	02:00	5.0	NIPPLE UP BC	PE. RIG ON DA	AYWORK	@ 21:00 HR	S, 5/10/08.				
02:00	06:00	4.0	WAIT ON AND	INSTALL MO	TORS FOI	R SWIVEL.					
			NO ACCIDENT	S REPORTED.							
			FUNCTION CF								
			SAFETY MEET		RIG, NIP	PLE UP.					
			CREWS FULL.		MCED 1	20 A L C D I	CC: 0				
			FUEL ON HAN		. USED: 13	33 GALS. KI	EC: 0.				
			LITHOLOGY;								
			UNMANNED N		ON LOCA	TION F/ 5/1	1/08.				
05-12-20	008 Re	ported		. WILLIAMS / J							
DailyCost	ts: Drilling	\$	26,817	Com	pletion	\$0		Dail	y Total	\$26,817	
Cum Cos	ts: Drilling	\$	322,146	Con	pletion	\$0		Well	l Total	\$322,146	
MD	2,876	TVD	2,876	Progress	726	Days	1	MW	0.0	Visc	0.0
Formatio	n:		PBTD : 0	.0		Perf:			PKR De	pth: 0.0	
Activity a	t Report Ti	me: DRI	LLING @ 2876'								
Start	End	Hrs	Activity Desc	ription							
06:00	13:00	7.0	INSTALL NEW SWIVEL.	MOTORS ON	POWER S	WIVEL. TE	ST SWIVEL.	, SWIVEL M	OTORS, ANE	HYDRAULIC	PUMP FOR

INSIDE BOP, SAFETY VALVE, UPPER KELLY COCK 250/5000 PSI 5/10 MIN.

13:00

15:30

2.5 R/U & TEST BOPE AS PER PROGRAM. B&C QUICK TEST – WITNESS – STEVE KUNZLER.

HCR, CHOKE LINE, KILL LINE, 250/5000 PSI 5/10 MIN.

CHOKE MANIFOLD, 250/5000 PSI 5/10 MIN.

PIPE RAMS, BLIND RAMS, 250/5000 PSI 5/10 MIN.

ANNULAR, 250/2500 PSI 5/10 MIN.

TEST 9 5/8" CASING TO 1500 PSI 30 MIN.

15:30	16:00	0.5 INSTALL WEAR BUSHING.
16:00	20:00	4.0 P/U BHA AND TOOLS, TAG CEMENT @ 1937'.
20:00	21:00	1.0 DRILL CEMENT/ FLOAT EQUIPMENT FROM 1937' TO 2050' + 10' OF NEW HOLE, SHOE @ 2022'. '
21:00	21:30	0.5 CIRCULATE, SPOT HI-VIS PILL & PERFORM FIT TEST @ 2022', W/ 8.4 MUD WT, 220 PSI SURFACE PRESSURE = 10.5 EMW. GOOD TEST.
21:30	06:00	8.5 DRILLING FROM 2160' TO 2876', ROP 85, WOB 10/18, RPM 50/60, TQ 2500/2700.

MUD LOSS LAST 24 HRS. 0 BBLS.

MUD WT.8.5 VIS.30.

ROT 85, P/U 88, S/O 83.

ACCIDENTS NONE REPORTED.

FUNCTION CROWN-O-MATIC, & TEST.

SAFETY MEETING: TESTING BOPE, PICKING UP BHA.

CREWS FULL

FUEL ON HAND: 3347, GALS. USED: 657, RECIEVED 0 GALS.

FORMATION TOP: MAHAGONY OIL SHALE.

GAS BG.50 U.

LITHOLOGY; SHALE.

MUD LOGGER UNMANNED ON LOCATION F/5/11/08 (1 DAY).

06:00	06:00	24.0 \$	SPUD 7-7/8" I	HOLE @ 2130,	5/11/08							
05-13-2008	Re	ported By	y M	I. WILLIAMS/J	. RICHEY							
DailyCosts:	Drilling	\$34,299		Completion		\$0		Daily	Total	\$34,299		
Cum Costs: Drilling		\$35	56,445	Completion		\$0		Well Total		\$356,445		
MD	4,643	TVD	4,643	Progress	1,767	Days	2	MW	8.5	Visc	31.0	
Formation :	Formation: PBTD:					Perf:			PKR De _l	pth: 0.0		
Activity at l	Report Ti	me: DRILI	LING @ 4643'									
Start	End	Hrs A	Activity Desc	cription								
06:00	10:30	4.5 I	4.5 DRILLING FROM 2876' TO 3306', ROP 96, WOB 10/18, RPM 40/50, TQ 2500/2800.									
10:30	11:00	0.5 \$	SERVICE RIG									

11:00 06:00 19.0 DRILLING FROM 3306' TO 4643', 1337', ROP 70, WOB 10/18, RPM 55/60, TQ 4000/4300.

MUD LOSS LAST 24 HRS. 0 BBLS.

MUD WT 9.3 PPG VIS.32.

ROT 187, P/U 190, S/O 178.

ACCIDENTS NONE REPORTED.

FUNCTION CROWN-O-MATIC, & INSPECT BRAKES.

SAFETY MEETING: WORKING ON MUD PUMPS AND MAKING CONNECTIONS.

CREWS FULL.

FUEL ON HAND: 1985, GALS. USED: 1362, RECIEVED 0 GALS.

FORMATION TOP: CHAPITA WELLS.

GAS BG.50 U.

LITHOLOGY; SANDSTONE.

MUD LOGGER UNMANNED ON LOCATION F/ 5/11/08 (2 DAYS).

		JM	JD LOGGEI	R UNMANNED	ON LOCA	ATION F/ 5/11	/08 (2 DAY	S).			
05-14-200	8 Re	eported By	M	. WILLIAMS/J.	RICHEY						
DailyCosts	: Drilling	\$31,5	18	Con	npletion	\$0		Daily	Total	\$31,518	
Cum Costs	: Drilling	\$387.	964	Con	npletion	\$0		Well 7	Fotal	\$387,964	
MD	5,037	TVD	5,037	Progress	394	Days	3	MW	9.4	Visc	34.0
Formation	:		PBTD : 0	0.0		Perf:			PKR De	epth: 0.0	
Activity at	Report Ti	me: DRILLI	NG @ 5037'								
Start	End	Hrs Ac	tivity Desc	ription							
06:00	09:00	3.0 DR	ILLING FR	OM 4643' TO 4	760', ROP	39, WOB 10/1	2, RPM 50/	65, TQ 3800/4	100.		
09:00	09:30	0.5 SE	RVICE RIG								
09:30	14:00	4.5 DR	ILLING FR	OM 4760 TO 48	350', ROP 2	20', WOB 5/10), RPM 50/6	0,TQ 3800/400	00.		
14:00	15:30	1.5 C/O	MOTORS	ON POWER SV	VIVEL.						
15:30	21:00	5.5 DR	ILLING FR	OM 4850' TO 4	978', ROP	23, WOB 5/8,	RPM 50/60	TQ 3800/4000,).		
21:00	02:30	5.5 WC	ORK ON HY	DRAULICS FO	OR POWER	R SWIVEL.					
02:30	06:00	3.5 DR	ILLING FR	OM 4978' TO 5	037', ROP	17,WOB 7/10	RPM 50/60	TQ 3800/4300,).		
		MU	JD LOSS LA	AST 24 HRS. 0	BBLS.						
		MU	J D WT 9.7 F	PPG VIS.35.							
		RO	T 187, P/U	190 , S/O 178.							
		AC	CIDENTS N	NONE REPORT	ED.						
		FU	NCTION CI	ROWN-O-MAT	ΓIC, & INS	PECT BREAK	KS.				
		SA	FETY MEE	TING: FORKLI	FT OP'S,V	VORKING W	ITH HIGH F	RESSURE.			
		CR	EWS FULL								
		FU	EL ON HAI	ND: 561, GALS.	. USED: 14	24 , RECIEV	ED 0 GALS				
		FO	RMATION	TOP: CHAPITA	WELLS.						
			S BG.50 U.								
				SANDSTONE.							
		MU	JD LOGGEI	R UNMANNED	ON LOCA	ATION F/ 5/11	/08 (3 DAY	(S).			
05-15-200	8 Re	eported By	W	ILLIAMS/RICI	HEY/FORE	EMAN/SCHLI	ENKE				
DailyCosts	: Drilling	\$48,3	38	Con	npletion	\$0		Daily	Total	\$48,338	
Cum Costs	s: Drilling	\$436.	303	Con	npletion	\$0		Well 7	Total	\$436,303	
MD	5,271	TVD	5,271	Progress	234	Days	4	MW	9.5	Visc	37.0
Formation	:		PBTD:	0.0		Perf:			PKR De	epth: 0.0	
Activity at	Report Ti	me: DRILLII	NG AT 5271	,							

MD	5,271	TVD	5,271	Progress	234	Days	4	MW	9.5	Visc	37.0	
Formatio	Formation :			.0		Perf:			PKR De _l	oth: 0.0		
Activity a	it Report Ti	ime: DRII	LING AT 5271'									
Start	End	Hrs	Activity Desc	ription								
06:00	10:00	4.0	DRILLING FRO	OM 5037' TO 5	130',93',R	OP,26.5,WOB,	,6/8,RPM,6	5/72,TRQ.42	00/4500			
10:00	11:00		1.0 CHECK HYD. SYSTEM, HIGH TORQUE,NO PROBLEMS WITH SYSTEM,ONE HYD. MOTOR LEAKING OIL IN SEAL AREA NEED TO CHANGE OUT.									

11:00	15:30	4.5 TRIP OUT FOR REPAIRS TIGHT HOLE CIRC.COND. MUD AND PUMP OUT LAYING DOWN DRILL PIPE UN ABLE TO ROTATE AT THE TIME. FREE SPOT AT 4950' CIRC.& REPAIR MOTOR CONT. TRIP OUT BACK REAMING TO 4076' ABOVE WASATCH AND COND. MUD F/ 9.5 TO 10.2 TO HOLD BACK SHALE.
15:30	17:00	1.5 RIG REPAIR CHANGE OUT SWIVEL MOTORS. RUN SYSTEM ALL OK.
17:00	00:30	7.5 WASH/REAM F/ 4076' TO 5130' COND. MUD TO 10.8 TO HOLD BACK SHALE.
00:30	06:00	5.5 DRILLING F/ 5130' TO 5271', 141', ROP 25.6, WOB 21/25, RPM 52/72, TRQ 2750/2800
		MUD LOSS LAST 24 HRS. 0 BBLS.
		MUD WT 10.8 PPG VIS.34.
		ROT 87, P/U 127, S/O 67.
		ACCIDENTS NONE REPORTED.
		FUNCTION CROWN-O-MATIC,
		SAFETY MEETING: MUD & CHEM.
		CREWS FULL.
		FUEL ON HAND: 3347 GALS. USED: 1214 GAL., RECIEVED 4000 GALS.
		FORMATION: CHAPITA WELLS.
		GAS BG.50 U.
		LITHOLOGY; SANDSTONE& SHALE.
		MUD LOGGER UNMANNED ON LOCATION F/ 5/11/08 (4 DAYS).

05-16-2008	1 3			D.FOREMAN/J.SCHLENKER							
DailyCosts: D	rilling	\$52,9	58	Com	pletion	\$0		Daily	Total	\$52,958	
Cum Costs: D	rilling	\$489.	,262	Com	pletion	\$0		Well	Fotal	\$489,262	
MD	5,437	TVD	5,437	Progress	166	Days	6	MW	10.6	Visc	37.0
Formation:			PBTD:	0.0		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: DRILLING AT 5437'

Start	End	Hrs	Activity Description
06:00	11:00	5.0	DRILLING F/ 5271' TO 5345', 74', ROP 14.8, WOB 19, RPM 64/72, TRQ 2800/2900, TOP OF BUCK CANYON.
11:00	11:30	0.5	SURVEY @ 5345' – 5 DEGREES & SERVICE RIG.
11:30	15:00	3.5	DRILLING F/ 5345' TO 5437', 92', ROP 26, WOB 21, RPM 68/72, TRQ 2900/3000.
15:00	21:30	6.5	MIX & PUMP SLUG, DROP SURVEY & TOH FOR BIT # 2.
21:30	22:00	0.5	BREAK BIT L/D MOTOR,P/U NEW MOTOR MAKE UP BIT, CHECK MOTOR,
22:00	03:00	5.0	TRIP IN, FILL PIPE @ SHOE CONT. TRIP IN TO 5150' TAG FILL SAND.
03:00	06:00	3.0	WASH & REAM F/ 5150' TO 5437' BTM.
			MUD LOSS LAST 24 HRS. 0 BBLS.
			MUD WT.10.5 VIS.35.
			ROT 87, P/U 120, S/O 75,
			ACCIDENTS NONE REPORTED
			FUNCTION CROWN-O-MATIC, & TEST
			SAFETY MEETING: MIX, CHEM, HAND SIGNALS,
			CREWS FULL
			FUEL ON HAND: 2221, GALS. USED: 1126, GALS.
			GAS BG.87 U, CONN. 97 U, TRIP GAS, 299
			LITHOLOGY; SAND/ SHALE,
			MUD LOGGER UNMANED ON LOCATION F/ 5/11/08 (5 DAYS).

 05-17-2008
 Reported By
 D.FOREMAN/J.SCHLENKER

 DailyCosts: Drilling
 \$45,320
 Completion
 \$0
 Daily Total
 \$45,320

Cum Cost	s: Drilling	\$3	534,583	Cor	npletion	\$0		Well	Total	\$534,583	
MD	6,665	TVD	6,665	Progress	1,228	Days	7	MW	10.8	Visc	35.0
Formation	ı ;		PBTD : 0	0.0		Perf:			PKR De _l	pth: 0.0	
Activity at	t Report Ti	me: DRII	LLING @ 6665'								
Start	End	Hrs	Activity Desc	ription							
06:00	12:30	6.5	DRILLING F/	5437' TO 5785'	, 348', ROF	54, WOB	12/15, RPM 60	/72, TRQ 286	00/3000		
12:30	13:00	0.5	SERVICE RIG								
13:00	06:00	17.0	DRILLING F/	5785' TO 6656'	,871, ROP,5	51.23,WOB,	18/22,RPM,60)/72,TRQ,270	00/3150		
			MUD LOSS LA	AST 24 HRS. 85	BBLS.						
			MUD WT.10.8	VIS.40.							
			ROT 105, P/U 2	200, S/O 80,							
			ACCIDENTS N	NONE REPORT	ED						
			FUNCTION C	ROWN-O-MA	TIC,						
			SAFETY MEE	TING: LOCK O	OUT TAG C	UT,					
			CREWS FULL								
			FUEL ON HAT	ND: 3218, GAL	S. USED: 1	682, GALS					
			GAS BG.55 U,	CONN. 105 U,							
			LITHOLOGY;	SAND/ SHALE	Ξ,						
			MUD LOGGE	R UNMANED	ON LOCAT	TION F/ 5/1	1/08 (6 DAYS)				_
05-18-20	08 Re	eported E	By D	.FOREMAN/J.S	SCHLENKI	ER					

05-18-2008	Re	ported By	D	.FOREMAN/J.SC	CHLENK	ER					
DailyCosts: D	rilling	\$30,417		Com	pletion	\$0		Daily	Total	\$30,417	
Cum Costs: I	Prilling	\$565,000)	Com	pletion	\$0		Well	Total	\$565,000	
MD	6,918	TVD	6,918	Progress	0	Days	8	MW	10.9	Visc	38.0
Formation:		P	BTD:	0.0		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: TFNBHA @ 6918

Start	End	Hrs	Activity Description
06:00	12:00	6.0	DRILLING F/ 6665' TO 6918', 253', ROP 42', WOB 10, RPM 68/72, TRQ 3300
			PIPE STUCK WHILE MAKING CONNECTION @ 6918'.
12:00	18:00	6.0	WORK STUCK PIPE W/ FULL CIRCULATION – NO FREE TRAVEL, CALCULATED FREE POINT W/ STRETCH TO BE @ 4,000'.
18:00	20:30	2.5	MIX AND SPOT PIPE LAX PILL. 100 BBLS. DIESEL W/ 90 CANS OF PIPE LAX.
20:30	00:30	4.0	WORKING PIPE, PIPE FREE TO ROTATE @ 21:00, STILL NO FREE TRAVEL, SLOWLY WORKING UP WHILE ROTATING. F/ 6918' TO 6872'.
00:30	01:00	0.5	REPAIR HYDRAULIC HOSE ON RIG SWIVEL DUE TO EXCESSIVE TORQUE
01:00	05:00	4.0	BACK REAMING, LOOKING F/FREE TRAVEL, W/60 TO 100K OVERPULL, 6872' TO 6308'.
05:00	06:00	1.0	CIRCULATE AND WORK PIPE, MIX AND PUMP SLUG FOR TOH.
			MUD LOSS LAST 24 HRS. 85 BBLS.
			MUD WT.10.2 VIS.44.
			ROT 105, P/U 200, S/O 80,
			ACCIDENTS NONE REPORTED
			FUNCTION CROWN-O-MATIC,
			SAFETY MEETING: WORK STUCK PIPE,
			CREWS FULL
			FUEL ON HAND: 3218, GALS. USED: 5000, GALS (1000 RIG, 4000 MUD). RECD. 4000 GAL.

GAS BG.55 U, CONN. 105 U, LITHOLOGY; SAND/ SHALE,

MUD LOGGER UNMANNED ON LOCATION F/ 5/11/08 (7 DAYS).

05-19-20	08 Re	eported By	D	.FOREMAN/J.S	CHLENKI	ER					
DailyCost	s: Drilling	\$64,78	36	Con	pletion	\$0		Dail	y Total	\$64,786	
Cum Cost	s: Drilling	\$629,7	787	Con	pletion	\$0		Wel	l Total	\$629,787	
MD	7,076	TVD	7,076	Progress	158	Days	9	MW	10.2	Visc	41.0
Formation	n :		PBTD:	0.0		Perf:			PKR De	pth: 0.0	
Activity a	t Report Ti	me: TD AT 70	76' / LDDI	•							
Start	End	Hrs Act	ivity Desc	ription							
06:00	14:30	8.5 PRE	EPARE & P	UMP SLUG FO	R TRIP OU	JT F/ BHA CHA	ANGE.				
14:30	16:00	1.5 TRII	PPING TO	SHOE.							
16:00	18:00	2.0 SLII	P & CUT D	RILL LINE. 80	,						
18:00	22:30	4.5 FIN	ISH TRIP I	n tag fill @	6890', CIF	C. WASH TO I	воттом.				
22:30	01:00		LLING F/ 9/2008.	6918' TO 7076',	158', ROP	63, WOB 17.5,	RPM 66/	72, TQR 260	00/2800. REAC	CHED TD @ 01:	:00 HRS,
01:00	03:00	2.0 CIR	C. BOTTO	MS UP COND.	MUD, SPC	OT 130 BBLS. 1	1# MUD (ON BOTTON	M EMW 10.4		
		MUI	D LOSS L	AST 24 HRS. 0 I	BBLS.						
		MU	D WT.10.5	VIS.44.							
		ROT	105, P/U	185, S/O 70.							
		ACC	CIDENTS N	NONE REPORT	ED.						
		FUN	NCTION C	ROWN-O-MAT	TIC.						
		INS	PECTED D	RAW WORKS.							
		SAF	FETY MEE	TING: TIH							
		CRE	EWS FULL	,							
		FUE	EL ON HAI	ND: 5218 GALS	. USED: 8	15 GALS. RECI	EIVED 30	00 GAL.			
		TD (— 00:10 (5/19/08 - 7076'.							
		MU	D LOGGE	R UNMANED C	N LOCAT	ION SINCE 5/1	1/08 (9 D	AYS).			
		BG ·	47: CONN	85 : TRIP GAS	240						
03:00	06:00	3.0 LDE	OP TO RUN	I CSG.							
5-20-20	08 Re	eported By	D	.FOREMAN/J.S	CHLENKI	ER					
DailyCost	s: Drilling	\$34,43	36	Con	npletion	\$125,244		Dail	ly Total	\$159,680	
Cum Cost	ts: Drilling	\$664,2	223	Con	npletion	\$125,244		Wel	l Total	\$789,467	
MD	7,076	TVD	7,076	Progress	0	Days	10	MW	0.0	Visc	0.0
Formatio	n:		PBTD : (0.0		Perf:			PKR De	pth: 0.0	
Activity a	t Report Ti	me: RDRT/W	O COMPL	ETION							
Start	End	Hrs Act	ivity Desc	cription							
06:00	09:30	3.5 L/D	DRILL PI	PE & BHA.							
09:30	10:00	0.5 SER	RVICE RIG								
10:00	12:30	2.5 PUL RUN	LL WEAR	BUSHING, SAI	FETY MTC	3. & JSA W/ W	EATHERI	FORD & RIG	G CREW, RIG	UP WEATHER	FORD T

12:30	20:30	8.0 RUN CASING 4.5 N-80, 11.6# LTC, TAG @ 7075', RAN 175 JTS. + 1 MARKER JT.+,1 PUP JT. AS FOLLOWS, FLOAT SHOE,@7076' 1JT.CSG. FLOAT COLLAR @ 7033' 81 JTS. CSG.,1 MARKER JT.@3766, 92 JTS.CSG.,1 PUP, JT.1 JT. CSG. HANGER ASS.,CENTRALIZERS, 5 FT. ABOVE SHOE,TOP OF JT.#2 & EVERY 3 TH. JT. TOTAL 15.
20:30 21:00	21:00 22:00	0.5 LAY DOWN TAG JT. SPACE OUT MAKE UP HANGER LAND CASING W/ 60,000 FULL STRING WT. 1.0 CIRC. RIG DOWN WEATHERFORD,SAFETY W/ SCHLUMBERGER & RIG CREW.
22:00	00:00	2.0 RIG UP SCHLUMBERGER, TEST LINES TO 5000 PSI, PUMP 20 BBLS CHEM WASH & 20 BBLS WATER SPACER AHEAD & CEMENT.7076' 4 1/2 N80 11.6# LTC CSG. LEAD CEMENT – 250 SKS.G + ADDS MIX – D020 – 10% EXTENDER, D167 .2% FLUID LOSS, D046 .2% ANTIFOAM, D013 .5% RETARDER, D065 .5% DISPERSANT, D130 .125%LB/SK BLEND LOST CIRC. YIELD 2.98 FT3/SK, 18.227 GAL/SK @ 11.5 PPG., 132.6 BBLS. TAIL CEMENT – 1010 SKS 50/50 POZ G + ADDS – D020 2% EXTENDER, D046 .1% ANTIFOAM, D167 .2% FLUID LOSS, D065 .2% DISPERSANT, S001 1.% ACCELERATOR, YIELD 1.29 FT3/SK 5.941 GAL/SK @ 14.1 PPG., 232 BBLS. DISP TO FLOAT COLLER @ 7033' W/FRESH WATER. AVG. DISP. RATE 6.5. BPM, FULL RETURNS THROUGH OUT JOB. DROP PLUG @ 23:28, LIFT PRESS 1300 PSI. PUMP 109 BBLS OF FRESH WATER, BUMPED PLUG TO 2300 PSI @ 23:50 F/3 MINS. FLOAT HELD,1 BBL. BACK @ 23:54 CEMENT IN PLACE. RIG DOWN
00:00	06:00	SCHLUMBERGER. 6.0 RIG DOWN FOR RIG MOVE, ND BOP W/ FMC PRESENT, CLEANING MUD TANKS W/ VAC TRUCKS & HAULING TO PIT ON CWU 697–32.

KHUR TRUCKS TO ARRIVE @ 07:00 FOR 8 .5 MILE RIG MOVE TO CWU 697–32.

ADVISED BLM, JAMIE SPARGER 435 781 4502 - RIG MOVE & BOP TEST.

MUD LOSS LAST 24 HRS. 0 BBLS.

MUD WT.10.5 VIS.44.

ACCIDENTS NONE REPORTED.

FUNCTION CROWN-O-MATIC.

INSPECTED DRAW WORKS.

SAFETY MEETING: RUN CSG & CEMENTING.

CREWS FULL.

FUEL ON HAND: 5076 GALS. USED: 420 GALS.

MUD LOGGER UNMANED ON LOCATION SINCE 5/11/08 TO 5/19/08 (9 DAYS).

@ 06:00 CLEAN MUD TANKS.

06:00 06:00 24.0 RELEASE RIG @ 06:00 HRS, 5/20/08.

CASING POINT COST \$664,223

05-29-2008	Reporte	ed By	HISLOP							
DailyCosts: Drill	ing	\$0		Completion	\$8,948		Daily	Total	\$8,948	
Cum Costs: Drill	ing	\$664,223		Completion	\$134,192		Well 7	otal	\$798,415	
MD 7,0	76 TVI	7,076	Progres	ss 0	Days	11	MW	0.0	Visc	0.0
Formation:		PBTD :	0.0		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: PREP TO LOG

Start	End	Hrs	Activity Description
06:00	06:00	24.0	MIRUSU. SICP 0 PSIG. ND TREE. NU BOP. RIH WITH 3-7/8" MILL TOOTH BIT TO TAG @ 7067'. CIRCULATED
			WITH 120 BBLS FRESH WATER. POH, LD TBG. ND BOP. NU FRAC VALVE. RDMOSU. SDFN.

05-31-2008 R	Reported By	MCCURDY			
DailyCosts: Drilling	\$0	Completion	\$42,206	Daily Total	\$42,206
Cum Costs: Drilling	\$664,223	Completion	\$176,398	Well Total	\$840,621

MD 7,076 TVD 7,076 Progress 0 Days 11 MW 0.0 Visc 0.0

Formation: PBTD: 0.0 Perf: PKR Depth: 0.0

Activity at Report Time: WO COMPLETION

Start End Hrs Activity Description

06:00 06:00 24.0 5/29/08 MIRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM PBTD TO 330°. EST CEMENT TOP @

580". RD SCHLUMBERGER.

NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 6500 PSIG. WO COMPLETION.

				ST RTMENT ION OI	r of N		L RESC						(hig	hlight	Changes)	FO ERIAL NUME	DRM 8
			יטועוכ	ION O	r OIL	, GAS	AND	MIINIIN	3						1197-A		ERIAL NUME	BER:
WEL	L COM	PLET	ION	OR F	REC	OMPL	ETIC	ON RE	POR	T AND	LOG		6. lF	INDIAN,	ALLOTTEE	OR TRI	BE NAME	
1a. TYPE OF WELL	:	OI W	ELL [] (GAS	Ž.	DRY		ОТН	ER					AGREEME al Butte			
b. TYPE OF WOR! NEW WELL	K: HORIZ. LATS.	DE EN	EEP-] [RE- ENTRY		DIFF. RESVR.		отн	ER			8. WELL NAME and NUMBER: Natural Buttes Unit 634-12E				2E	
2. NAME OF OPER. EOG Reso		nc.												3-04	ER: 7-3919	 4		
3. ADDRESS OF OR		00N c	ITY De	enver		STATE	CO	ZIP 802	202		NUMBER:	5526			POOL, OF		AT Isatch/M	 1V
4. LOCATION OF W	-	-	1' [[1 20 0	6991	71 / T	100.2	91200	LON		·		11. C	TR/QTF IERIDIA	R, SECTION N:	, TOWN	SHIP, RANG	E,
AT TOP PRODU				_		LAI	109.3	00 1200	LON				NE	NE	12	10S	22E S	3
AT TOTAL DEPT			.,		uno									OUNTY			13. STATE	
14. DATE SPUDDE		5. DATE T	.D. REAC	CHED:	16. DA	TE ÇOMPL	EŢED:							intah	VATIONS (DF, RKE		UTAH
4/29/2008 18. TOTAL DEPTH:	MD 7.0	5/19/2		40. DUIG	5	/ ~ ,	108	A ر	BANDON		READY TO F				176' NA			
16. TOTAL DEPTH.	MD 7,0	176		19. PLUG	BACKI	TVD	7,033		20. IF N	MULTIPLE CO	OMPLETIONS	s, HOW M/	ANY?		UG SET:	E MD		
22. TYPE ELECTRI			IICAL LO	GS RUN (S	Submit c	opy of each)		•	23.	L CORED?		NO ,	71	YES 🗍	/Sub	mit analysis)	
RST/CBL/C	CL/VDL/	GR								WAS DST	RUN?		NO .	7	YES 🔲		mit report)	
24. CASING AND L	INER RECOR	D (Report	all string	s set in we	ell)					DIRECTIO	NAL SURVEY	(?	NO (<u>/</u>	YES	(Subi	mit copy)	
HOLE SIZE	SIZE/GRA			GHT (#/ft.) TOP (MD) BOTTOM (MD) STAGE CEMENTER CEMENT TYPE & NO. OF SACKS								SLUR VOLUME		CEMENT	TOP **	AMOUNT	PULLED	
12-1/4	9-5/8	J-55	36	5.0		0	2,0)22			1000							
7-7/8	4-1/2	N-80	11	.6		0	7,	076			1260							
							<u> </u>								ļ		+	
												\dashv					-	
				1														
25. TUBING RECOI		SET (MD)	LDACE	VED SET (A	10)	CIZE		репти	CET (MD)	DACKE	D CET (MD)		2175	٠,	SEDTUCET	(140)	DACKER	NET (MD)
SIZE	DEPIR	SET (NID)	PACE	KER SET (M	(טוו)	SIZE		DEPIR	SET (MD)	PACKE	R SET (MD)	· ·	SIZE		JEPTH SET	(טואו)	PACKER S	SET (MD)
26. PRODUCING IN	ITERVALS									27. PERFO	RATION REC	ORD					•	
FORMATION	NAME	TOP	(MD)	вотто	M (MD)	TOP	(TVD)	BOTTON	/I (TVD)	INTERVA	L (Top/Bot - N	MD)	SIZE	NO. HO			RATION STA	TUS
(A)				-		ļ									Oper	=	Squeezed	
(B)				<u> </u>		-		<u> </u>							Oper	=	Squeezed	
(C)						-		 							Oper	=	Squeezed	
(D)				<u> </u>	_	<u> </u>		<u> </u>							Oper	<u>' </u>	Squeezed	
28. ACID, FRACTU		NT, CEME	I SQU	JEEZE, ETC														
DEPTH	INTERVAL	 	 		-			****	AMC	DUNI AND I	YPE OF MAT	ERIAL						
			 															
29. ENCLOSED AT	TACHMENTS:	1														30. WEL	L STATUS:	
	RICAL/MECH							GEOLOGI		=	DST REPOR	т	DIRECT	IONAL :	SURVEY	\$	I	
SUNDF	RY NOTICE FO	OR PLUGG	ING AND	CEMENT	VERIFIC	CATION		CORE ANA	ALYSIS		OTHER:			B	FO	<u> </u>		
(5/0000)							100		: 140 O:	ACK)				-		-1 V <u>t</u>	=U	
(5/2000)							(CC	NTINUE	UN E	MUN)				(ECE ICT 0	9 20	08	

DIV. OF OIL, GAS & MINING

•												
31. INITIAL PR	ODUCTION				INT	ERVAL A (As sho	wn in item #26)					
DATE FIRST PF	RODUCED:	TEST DA	ATE:		HOURS TESTED):	TEST PRODUCTIO RATES: →	N OIL – BBL:	GAS - MCF:	WATER -	- BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS	S. CSG. PR	RESS. API GI	RAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER -	- BBL:	INTERVAL STATUS
					INT	ERVAL B (As sho	wn in item #26)		•			
DATE FIRST PR	ST PRODUCED: TEST DATE:		HOURS TESTED	D:	TEST PRODUCTIO RATES: →	N OIL – BBL:	GAS - MCF:	WATER -	- BBL:	PROD. METHOD:		
CHOKE SIZE:	TBG. PRESS	S. CSG. PR	RESS. API GI	RAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER -	- BBL:	INTERVAL STATUS
					INT	ERVAL C (As sho	wn in item #26)	-				<u> </u>
DATE FIRST PR	RODUCED:	DUCED: TEST DATE:			HOURS TESTED	D:	TEST PRODUCTIO RATES: →	N OIL – BBL:	GAS - MCF:	WATER -	- BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS	CSG. PRESS. API GRAVITY			BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	ON OIL – BBL:	GAS - MCF:	WATER -	- BBL:	INTERVAL STATUS
					INT	ERVAL D (As sho	wn in item #26)		•	•		
DATE FIRST PR	RODUCED:	TEST DA	ATE:		HOURS TESTED);	TEST PRODUCTIO RATES: →	N OIL – BBL:	GAS - MCF:	WATER -	-BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS	S. CSG. PR	RESS. API G	RAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTIO RATES: →	OIL – BBL;	GAS - MCF:	WATER -	-BBL:	INTERVAL STATUS
32. DISPOSITIO	ON OF GAS (S	old, Used for I	Fuel, Vented, Et	ic.)	<u> </u>		1			<u> </u>		
33. SUMMARY	OF BOROUS 3	ZONES (In altre	la Amultana).				1	24 FORMATIO	N ()) MADKEDÖ.			
		•	. ,	red interva	als and all drill-stem	n tests, including de	epth interval	34. FORMATIO	N (Log) MARKERS:			
tested, cushion	used, time tool	open, flowing a	and shut-in press	sures and	recoveries.		·					
Formati	on	Top (MD)	Bottom (MD)		Descrip	tions, Contents, etc	3.		Name		(Top Measured Depth)
				l								

35. ADDITIONAL REMARKS (Include plugging procedure)

The subject well will be plugged and abandoned as per the pending P&A sundry.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from	om all available records.
NAME (PLEASE PRINT) Mary A. Maestas	TITLE Regulatory Assistant
SIGNATURE MAMA A MOULA	DATE 10/7/2008

This report must be submitted within 30 days of

- completing or plugging a new well
- · drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- · drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests
- * ITEM 20: Show the number of completions if production is measured separately from two or more formations.
- ** ITEM 24: Cement Top Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and r	number: NBU	634-12E							
API number: 43	04739194								
Well Location: Q	Q <u>NENE</u> Sec	tion <u>12</u>	Township 10S Range	22E	_ Cour	nty UINTAH			
Well operator: _	EOG								
Address: _	ess: 1060 E HWY 40								
<u>c</u>	ity VERNAL		state UT zip 84078		Pho	one: (435) 781-9111	_		
Drilling contracto	or: CRAIGS R	OUSTABO	UT SERVICE						
Address:	PO BOX 41								
c	ity JENSEN		state UT zip 84035		Pho	one: (435) 781-1366			
- Water encounter	-		•						
	DEP		VOLUME	:		QUALITY	٦		
	FROM	то	(FLOW RATE OR			(FRESH OR SALTY)			
	910	920	NO FLOV	V		NOT KNOWN	7		
	1,480	1,500	NO FLOV	V		NOT KNOWN			
							4		
ļ							_		
			1						
Formation tops: (Top to Bottom)	1 .		2			3			
	4 .					6			
	10					9 12			
	10	<u> </u>	11			12			
If an analysis ha	s been made	of the water	encountered, please at	tach a c	opy of	f the report to this form.			
I hereby certify tha	t this report is tr	ue and comp	ete to the best of my knowle	dge.					
NAME (PLEASE PRINT)			•		Reau	ılatory Assistant			
\sim	M. 1	M	~.V.		40/7/	2008			
SIGNATURE	v www.	· /	than	DATE					

STATE OF UTAH FORM 9 DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING 5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals w current bottom-hole depth, reenter plugged wells, or to Natural Buttes Unit 1. TYPE OF WELL 8. WELL NAME and NUMBER OIL WELL GAS WELL 🗸 OTHER Natural Buttes Unit 634-12E 2. NAME OF OPERATOR 9. API NUMBER EOG Resources, Inc. 43-047-39194 3 ADDRESS OF OPERATOR PHONE NUMBER 10. FIELD AND POOL, OR WILDCAT: 1060 East Highway 40 Vernal UT 84078 (435) 781-9145 Natural Buttes/Wasatch 4. LOCATION OF WELL FOOTAGES AT SURFACE: 661' FNL & 661' FEL 50 968847 LAT 109.381200 LON соинту: Uintah QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 12 10S 22E S.L.B. & M. STATE UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. TYPE OF SUBMISSION TYPE OF ACTION ACIDIZE DEEPEN REPERFORATE CURRENT FORMATION 1 NOTICE OF INTENT (Submit in Duplicate) ALTER CASING FRACTURE TREAT SIDETRACK TO REPAIR WELL Approximate date work will start: CASING REPAIR **NEW CONSTRUCTION** TEMPORARILY ABANDON CHANGE TO PREVIOUS PLANS OPERATOR CHANGE TUBING REPAIR CHANGE TUBING PLUG AND ABANDON VENT OR FLARE SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK WATER DISPOSAL (Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME) WATER SHUT-OFF Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE OTHER. CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. EOG Resources, Inc. respectfully requests authorization to Plug and Abandon the referenced well as per the attached procedure. RECEIVED OCT 0 9 2008 DIV. OF OIL, GAS & MINING Mickenzie Thacker NAME (PLEASE PRINT) Operations Clerk TITLE 9/9/2008 (This space for State use only) APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING COPY SENT TO OPERATOR (5/2000)

See Conditions of Approval (Attached)

Initials:

PLUG & ABANDON PROGRAM

NBU 634-12E

661' FNL & 661' FEL (NE/NE)

Section 12, T10S, R22E

Uintah County, Utah

July 16, 2008

EOG WI: 66.666667%

NRI: 48.061453%

API# 43-047-39194

AFE# 304699

WELL DATA:

ELEVATION:

5172' GL

KB:

: 5185' (13'KB)

TOTAL DEPTH:

7076' KB

PBTD:

7033' KB

CASING:

9-5/8", 36#, J-55 set @ 2022' KB. Cemented w/300 sxs Premium, no

returns, top off w/700 sxs Premium, cement to surface.

4 ½", 11.6#, N-80 set @ 7076' KB. Cemented w/250 sxs Class 'G',

followed by 1010 sxs 50/50 Poz 'G'. Cement top at 600'.

TUBING:

N/A

PERFORATIONS:

N/A

PROCEDURE:

- 1. MIRU SU. ND wellhead. NU BOPE.
- 2. PU 2 3/8" work string. TIH open ended to 4850' MD. RU cement company. Spot 15 sxs class "G" w/2% CaCl₂ cement plug from 4650' to 4850' MD.
- 3. PUH filling casing with 9 ppg brine to 1950' MD, 100' below Mahogany formation top.
- 4. RU cement company. Spot 60 sxs class "G" w/2% CaCl₂ cement plug from 1165' to 1950' MD, 100' above Green River formation top.
- 5. PUH filling casing with 9 ppg brine to 100' MD.
- 6. RU cement company. Circulate 10sxs surface plug. POOH.
- 7. Cut of casing head. Weld on marker plate ± 3 ' below ground level. Remove anchors and backfill over the marker.

PREPARED BY:	
	J.H. Kennah, Production Engineering Specialist
APPROVED BY:	
	P.T. Pendleton, Operations Manager



State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA Division Director

CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL

Well Name and Number:

NBU 634-12E

API Number:

43-047-39194

Operator:

Kerr McGee Oil & Gas Onshore, L.P.

Reference Document:

Original Sundry Notice dated October 9, 2008,

received by DOGM on October 9, 2008.

Approval Conditions:

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
- 2. Surface reclamation shall be done in accordance with R649-3-34 Well Site Restoration.
- 3. Add Plug #2: A 200' plug (± 16 sx) shall be balanced from ± 3800 ' to 3600' in order to isolate the isolate the Base of Moderately Saline Groundwater.
- 4. Add Plug #3: A 200' plug (±16 sx) shall be added from ±2700' to 2500' in order to isolate the base of the Parachute Creek Member as required by Cause 190-5(B).
- 5. All balanced plugs shall be tagged to ensure that they are at the depth specified.
- 6. All annuli shall be cemented from a minimum depth of 100' to the surface.
- 7. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
- 8. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.
- 9. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet

December 4, 2008

Date



Wellbore Diagram г263 API Well No: 43-047-39194-00-00 Well Name/No: NBU 634-12E Permit No: Company Name: KERR-MCGEE OIL & GAS ONSHORE, L.P. Location: Sec: 12 T: 10S R: 22E Spot: NENE **String Information Bottom Diameter** Weight Length ft/c,ft. Coordinates: X: 638299 Y: 4425354 String (ft sub) (lb/ft) (ft) (inches) Field Name: NATURAL BUTTES HOL1 2050 12.25 County Name: UINTAH 2022 **SURF** 9.625 36 2022 HOL₂ 7076 7.875 Plas 3 TO SX (1.15) (1.459) = 131' 11,459 **PROD** 7076 4.5 11.6 7076 1165 1242 785/114) 11,459 = 60 SX N GRRV Cement from 2022 ft. to surface **Cement Information** Surface: 9.625 in. @ 2022 ft. BOC TOC Sacks String Class Hole: 12.25 in. @ 2050 ft. (ft sub) (ft sub) Plughoso' below Mahogany **PROD** 7076 G 250 565 7076 **PROD** 565 50 1010 **SURF** 2022 PM 300 SURF 2022 PP 700 Perforation Surface & base of 7. 649-3-31 200'@base 2165x 11.14(11.459) **Perforation Information** 2560 PARCK 3600 3700 **Formation Information** BMSW Depth Formation 4053 1242 **GRRV** LTEBI 1852 **MHGBN** 4189 2560 **PARCK** WSTC 3700 **BMSW**

7076 TVD: 535 PBTD: TD:

Hole: 7.875 in. @ 7076 ft.

4650

4850

Cement from 7076 ft. to 565 ft.

Production: 4.5 in. @ 7076 ft.

7033

= 155x = 1.163 yield

UTEBT

WSTC

4053

4187

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

X Change of Operator (Well Sold)

Operator Name Change

Designation of Agent/Operator Merger

ROUTING				
1. DJJ				
2. CDW	1			

The operator of the well(s) listed below has chan	5/1/2008							
FROM: (Old Operator):	TO: (New O	perator):						
N9550-EOG Resources	N2995-Kerr-McGee Oil & Gas Onshore., LP							
1060 E Hwy 40				· ·	outh 1200 E		,	
Vernal, UT 84078					, UT 84078			
Phone: 1-(435) 781-9111				Phone: 1-(435	•			
CA No.				Unit:	, , , , , , , , ,	NATURA	L BUTT	ES
WELL NAME(S)	SEC	TWN	RNG	API NO	ENTITY	LEASE	WELL	WELL
(-)					NO	TYPE	TYPE	STATUS
NBU 634-12E	12	100S	220E	4304739194		State	GW	S
 OPERATOR CHANGES DOCUMENT Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation was 2. (R649-8-10) Sundry or legal documentation was 	as rec	eived f		_		Completion Completion	_	
3. The new company was checked on the Depart	ment	of Cor	nmerce	, Division of C	Corporations	Database	– on:	3/7/2006
4. Is the new operator registered in the State of U				Business Num		1355743-01		
6a. (R649-9-2)Waste Management Plan has been re		ed on:		IN PLACE			_	
6b. Inspections of LA PA state/fee well sites comp				n/a	•			
7. Federal and Indian Lease Wells: The BLM a			A has a		_ roor name (hanaa		
							DIA	1
or operator change for all wells listed on Feder	al or	indian	ieases c	n:	BLM	n/a -	BIA	n/a -
8. Federal and Indian Units:	C			11 1:		1-		
The BLM or BIA has approved the successor				r wells listed or	1:	n/a	_	
9. Federal and Indian Communization Agreem The BLM or BIA has approved the operator		-		rithin a CA on:		n/a		
10. Underground Injection Control ("UIC")	101 a1	1 wells		ivision has appi	oved IIIC F		_ isfer of A	uthority to
Inject, for the enhanced/secondary recovery un	nit/mro	niect fo					n/a	umorny to
DATA ENTRY:	iii,pi	5,000 10	1 1110 111	ater disposar we	m(s) nsied s	***	12 4	
1. Changes entered in the Oil and Gas Database	on:			11/13/2008				
2. Changes have been entered on the Monthly O		or Cha	inge Sp		-	11/13/2008	3	
3. Bond information entered in RBDMS on:	_			11/13/2008	•		_	
4. Fee/State wells attached to bond in RBDMS or	a :			11/13/2008	_			
5. Injection Projects to new operator in RBDMS	on:			n/a	_			
BOND VERIFICATION:								
1. Federal well(s) covered by Bond Number:				CO1203				
2. Indian well(s) covered by Bond Number:				n/a	_			
3. (R649-3-1) The NEW operator of any state or	fee w	ell(s) l	isted co	vered by Bond	Number	22013542	,	
4. The FORMER operator has requested a release					n/a	-	_	
COMMENTS:								
Well to transfer upon completion to Unit Operator	(See 9	9/23/20	003 lette	er from EOG &	agreement 9	7/17/03 fron	1 Westpor	t

Revised from previous submission on 10/7/2008.

				RTMEN	T OF N		RESC	URCES				(h	1ENDEI ighlight	chang	ges)			RM 8
		ſ	OIVISI	ON O	F OIL,	GAS	AND I	MININ	G				LEASE DE UO-01				RIAL NUMB	ER:
WELI	L COM	PLE1	TION	OR I	RECO	OMPL	ETIC	N RE	POR	TANE	LOG	6.	F INDIAN	ALLO	TTEE O	R TRIE	BE NAME	
1a. TYPE OF WELL	;	o W	Ell []	GAS WELL	Z	DRY		OTHE	R		7.	7. UNIT or CA AGREEMENT NAME Natural Buttes Unit					
b. TYPE OF WORK NEW WELL	(: HORIZ. LATS.] E	EEP-]	RE- ENTRY [DIFF. RESVR.		OTHE	:R		8. '	well nar Natur				t 634-12	?E
2. NAME OF OPERA		nc.							-			9	43-04		194			
3. ADDRESS OF OF 1060 East Hi) (OTY Ve	rnal		STATE	UT	ZIP 84 0)78		NUMBER: 5) 789-0790			al Bı	ittes	/Wa	satch/M	
4. LOCATION OF W AT SURFACE:	•		1' FEI	39.9	968847	7 LAT	109.3	81200	LON								SHIP, RANGE	
AT TOP PRODUC	CING INTERV	/AL REPO	RTED BE	LOW: §	Same							l N	ENE	12	10)5	22E S	
AT TOTAL DEPTH: Same									COUNTY Uintah			1	3. STATE	JTAH				
14. DATE SPUDDED 4/29/2008	D: 1:	5, DATE T		CHED:	16. DAT	E COMPL	ETED:	A	BANDONE	:D 🚺	READY TO PRODU	CE	1		NS (DF		RT, GL):	
18. TOTAL DEPTH:	MD 7,0	76		19. PLUG	BACK T.	D.: MD	7,033		20. IF M	ULTIPLE CO	OMPLETIONS, HOW	MANY?*	21. DEI	PTH BR		MD TVD		
22. TYPE ELECTRIC		R MECHAI	NICAL LO	GS RUN ((Submit co)		.l	23.						ועט		
RST/CBL/C										WAS DST	L CORED? RUN? NAL SURVEY?	NC	· 🔽	YES [YES [YES [(Subn	nit analysis) nit report) nit copy)	
24. CASING AND LI	NER RECOR	D (Report	all string	s set in w	/ell)													
HOLE SIZE	SIZE/GRA	ADE	WEIGHT	「(#/ft.)	TOP	(MD)	вотто	M (MD)	STAGE CEMENTER CEMENT TYPE & NO. OF SACKS				JRRY ME (BBL)	CEN	MENT T	OP **	AMOUNT	PULLED
12-1/4	9-5/8	J-55	36	.0		0	2,0)22			1000							
7-7/8	4-1/2	N-80	11	.6	()	7,0	076			1260							
														-				
														-				
												 						
25. TUBING RECOR	I RD	<u>· · l _</u>			1									1			1	
SIZE	DEPTH S	SET (MD)	PACK	ŒR SET (MD)	SIZE		DEPTH	SET (MD)	PACKE	R SET (MD)	SIZE		DEPTH	SET (M	1D)	PACKER S	ET (MD)
26. PRODUCING IN	TEDVALS				<u> </u>		_		Τ.	27 PERFO	RATION RECORD							
FORMATION		TOP	(MD)	BOTTO	OM (MD)	ТОР	(TVD)	вотто			L (Top/Bot - MD)	SIZE	NO. HO	LES	PE	RFOR	ATION STA	rus
(A)		<u> </u>												1	Open		Squeezed	
(B)														,	Open [Squeezed	
(C)														•	Open		Squeezed	
(D)															Open [Squeezed	
28. ACID, FRACTUR	RE, TREATME	ENT, CEM	ENT SQU	EEZE, ET	C.		******											
DEPTH I	NTERVAL		ļ						AMC	OUNT AND T	YPE OF MATERIAL							
			-															
			<u> </u>															
29. ENCLOSED AT	TACHMENTS	:	.1										·		30	. WELI	L STATUS:	
												_			İ			
	RICAL/MECH. RY NOTICE FO			CEMENT	T VERIFIC	ATION	_	GEOLOGI CORE AN	C REPORT ALYSIS		DST REPORT L	DIRE	CTIONAL	SURVE	:Y			
											- 1	REC	:FIV	EE	┵			
(5/2000)							(CO	NTINUE	D ON B	ACK)	, 1		26					

DIV. OF OIL, GAS & MINING

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

OI. IMITALITY										
DATE FIRST PR	RST PRODUCED: TEST DATE:		HOURS TESTED	HOURS TESTED:		OIL - BBL:	GAS MCF:	WATER - BBL:	PROD. METHOD:	
CHOKE SIZE:	TBG. PRESS.	CSG, PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER – BBL:	INTERVAL STATUS
				INT	ERVAL B (As sho	wn in item #26)				
DATE FIRST PR	RODUCED:	TEST DATE:		HOURS TESTED	D:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER – BBL:	INTERVAL STATUS:
				INT	ERVAL C (As sho	wn in item #26)				
DATE FIRST PR	RODUCED:	TEST DATE:		HOURS TESTER	D;	TEST PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER – BBL:	INTERVAL STATUS
				INT	ERVAL D (As sho	wn in item #26)	_			
DATE FIRST PR	RODUCED:	TEST DATE:		HOURS TESTER	D:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS - MCF;	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top Bottom (MD) (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth
			Green River Birds Nest Zone Mahogany Base Parachute Uteland Butte Limestone Wasatch	1,243 1,375 1,855 2,577 4,549 4,768

35. ADDITIONAL REMARKS (Include plugging procedure)

The subject well will be plugged and abandoned as per the pending P&A sundry.

36. I hereby certify that the foregoing and attached information is complete and correct as de	stermined from all available records.	
NAME (PLEASE PRINT) Mickenzie Thacker	TITLE Operations Clerk	
SIGNATURE MINUTE THAT IS SIGNATURE (1)	DATE 11/24/2008	

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- · recompleting to a different producing formation
- reentering a previously plugged and abandoned well
 - significantly deepening an existing well bore below the previous bottom-hole depth
 - drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests
- * ITEM 20: Show the number of completions if production is measured separately from two or more formations.
- **ITEM 24: Cement Top Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

PHA

STATE OF UTAH

DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS AND MIN		5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST
SUNDRY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below currudrill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL fo	ent bottom-hole depth, reenter plugged wells, or to rm for such proposals.	7. UNIT or CA AGREEMENT NAME: Natural Buttes Unit
1. TYPE OF WELL OIL WELL GAS WELL OTHER _	8. WELL NAME and NUMBER: Natural Buttes Unit 634-12E	
2. NAME OF OPERATOR: EOG Resources, Inc.		9. API NUMBER: 43-047-39194
3. ADDRESS OF OPERATOR: 1060 East Highway 40	PHONE NUMBER: (435) 781-9145	10. FIELD AND POOL, OR WILDCAT: Natural Buttes/Wasatch
4. LOCATION OF WELL FOOTAGES AT SURFACE: 661' FNL & 661' FEL 39.968847 LAT 1 QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 12 10S 22	The second secon	COUNTY: Uintah
OUESV APPROPRIATE DOVES TO INDICAT	ENATURE OF NOTICE REPO	UTAH
TYPE OF SUBMISSION	TYPE OF ACTION	RT, OR OTHER DATA
ACIDIZE	DEEPEN DEEPEN	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT (Submit in Duplicate) ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
(Submit Original Form Only) CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion: COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	OTHER:
CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
EOG Resources, Inc. Plugged and Abandoned the reference marker was installed 3 feet below ground level on 12/12/200	ed well as per the attached well	
NAME (PLEASE PRINT) Mickenzie Thacker	TITLE Operations Clerk	
SIGNATURE Willemin Thadly)	DATE 1/19/2009	
This space for State use only)		



WELL CHRONOLOGY **REPORT**

Report Generated On: 01-07-2009

Well Name	NBU 634-12E	Well Type	DEVG	Division	DENVER
Field	NATURAL BUTTES	API#	43-047-39194	Well Class	P&A
County, State	UINTAH, UT	Spud Date	05-11-2008	Class Date	
Tax Credit	N	TVD / MD	7,076/ 7,076	Property #	061453
Water Depth	0	Last CSG	2.375	Shoe TVD / MD	0/ 0
KB / GL Elev	5,185/ 5,172				
Location	Section 12, T10S, R22E, N	NENE, 661 FNL & 661	FEL		

Event No	1.0			Descripti	ion DRI	LL & COMPLE	TE				
Operator	EO	G RESOURC	ES, INC	WI %	48.0	62		NRI %		48.062	
AFE No		304699		AFE To	tal	1,358,400		DHC / C	CWC	657,7	00/ 700,700
Rig Contr	ELE	NBURG	Rig Nam	ie EL	LENBURG #28	Start Date	07-	-11-2007	Release	Date	05-20-2008
07-11-2007	R	eported By	S	HARON CA	UDILL						
DailyCosts: Da	rilling	\$0		•	Completion	\$0		Dail	y Total	\$0	
Cum Costs: Di	rilling	\$0		(Completion	\$0		Wel	l Total	\$0	
MD	0	TVD	0	Progress	s 0	Days	0	MW	0.0	Visc	0.0
Formation:			PBTD:	0.0		Perf:			PKR D	epth : 0.6)

Activity at Report Time: LOCATION DATA

End Hrs **Activity Description** Start 06:00 06:00

24.0 LOCATION DATA 661' FNL & 661' FEL (NE/NE)

SECTION 12, T10S, R22E UINTAH COUNTY, UTAH

LAT 39.968847, LONG 109.381200 (NAD 83) LAT 39.968881, LONG 109.380519 (NAD 27)

ELENBURG #28

OBJECTIVE: 7076' TD, MESAVERDE

DW/GAS

NATURAL BUTTES DEEP PROSPECT

DD&A: NATURAL BUTTES NATURAL BUTTES FIELD

LEASE: UO-01197-A-ST

ELEVATION: 5176.3' NAT GL, 5172.2' PREP GL (DUE TO ROUNDING THE PREP GL WILL BE 5172'), 5185 'KB

EOG WI 66.666667%, NRI 48.061643%

04-16-2008

Reported By

TERRY CSERE

Well Name: NBU 634-12E Field: NATURAL BUTTES Property: 061453

0.0 7,076 11 MW 0.0 Visc MD 7,076 TVD **Progress** Days PKR Depth: 0.0 Perf: Formation: **PBTD**: 0.0 Activity at Report Time: WO COMPLETION **Activity Description** Start End Hrs 06:00 06:00 24.0 5/29/08 MIRU SCHLUMBERGER, LOG WITH RST/CBL/CCL/VDL/GR FROM PBTD TO 330'. EST CEMENT TOP @ 580'. RD SCHLUMBERGER. NU 10M FRAC TREE, PRESSURE TESTED FRAC TREE & CASING TO 6500 PSIG. WO COMPLETION. **BAUSCH** 12-11-2008 Reported By \$0 Completion \$7,520 **Daily Total** \$7,520 DailyCosts: Drilling \$183,918 Well Total \$848,141 **Cum Costs: Drilling** \$664,223 Completion 0 12 MW0.0 Visc 0.0 MD 7,076 **TVD** 7,076 **Progress** Days PKR Depth: 0.0 **PBTD**: 0.0 Perf: Formation: Activity at Report Time: P&A Start End **Activity Description** Hrs 8.0 MIRUSU, ND WH. NU BOPE, RIH TO 4850', PREP TO PUMP CMT. SDFN. 07:00 15:00 **BAUSCH** 12-12-2008 Reported By \$6,170 **Daily Total** \$6,170 DailyCosts: Drilling \$0 Completion \$190,088 \$854,311 \$664,223 Well Total Completion **Cum Costs: Drilling** 0.0 0 13 MW 0.0 7,076 7,076 Visc MD TVD **Progress** Days Formation: **PBTD**: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: P&A Start End Hrs **Activity Description** 10.0 PUMPED 25 SK CLASS G CEMENT PLUG FROM 4850' TO 4520'. POH TO 4530'. REVERSED OUT. POH TO 4465'. 07:00 17:00 WOC 2 HRS. RIH & TAG CEMENT @ 4520'. SPOTTED 11 BBLS BRINE FROM 4520' TO 3800'. POH TO 3800'. PUMPED 25 SK CLASS G CEMENT PLUG FROM 3799' TO 3470'. POH TO 3470'. REVERSED OUT. POH TO 3410'. WOC 1-1/2 HRS. RIH & TAG CEMEMT @ 3470'. SPOTTED 12 BBLS BRINE FROM 3470' TO 2700'. POH TO 2697'. PUMPED 25 SK CLASS G CEMENT PLUG FROM 2697' TO 2380'. POH TO 2380'. REVERSED OUT. POH TO 2274'. SDFN. BAUSCH 12-13-2008 Reported By \$36,611 DailyCosts: Drilling \$0 Completion \$36,611 **Daily Total** \$890,922 \$226,699 Well Total **Cum Costs: Drilling** \$664,223 Completion 0.0 MD 7,076 TVD 7,076 **Progress** Davs 14 MW0.0 Visc PKR Depth: 0.0 **PBTD**: 0.0 Perf: Formation: Activity at Report Time: DRY HOLE MARKER INSTALLED End **Activity Description** Start 8.0 RIH TO TAG CMT TOP @ 2370'. SPOTTED 7 BBLS BRINE WTR FROM 2370' TO 1950'. POH TO 1950'. RU 07:00 15:00 SCHLUMBERGER, PUMPED 60 SK CLASS G CMT PLUG FROM 1950' TO 1165'. POH TO 1132'. REVERSED OUT. POH 1 JT. WOC 2.5 HRS. RIH & TAG CMT @ 1130'. POH, LD TBG. ND BOP. ND TBG HEAD. RIH W/100' 1" PIPE. FILLED 4-1/2" AND 9-5/8" X 4-1/2" ANNULUS W/CLASS G CEMENT. CUT OFF CSG 3' BELOW GROUND LEVEL, TOP OFF CSG W/CEMENT. FILLED IN CELLAR &CUT OFF RIG ANCHORS. RDMOSU. FINAL REPORT.

INSTALLED DRY HOLE MARKER ON 12/12/08.

STATE OF UTAH

<u> </u>	DIVISION OF OIL, GAS AND MI			5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST
SUNDR	Y NOTICES AND REPORT	S ON WEL	LS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill drill horizontal	new wells, significantly deepen existing wells below culaterals. Use APPLICATION FOR PERMIT TO DRILL	rrent bottom-hole dept form for such proposal	h, reenter plugged wells, or to ls.	7. UNIT OF CA AGREEMENT NAME: Natural Buttes Unit
1. TYPE OF WELL OIL WELL	. GAS WELL 🗹 OTHER_			8. WELL NAME and NUMBER: Natural Buttes Unit 634-12E
2. NAME OF OPERATOR: EOG Resources, Inc.				9. API NUMBER: 43-047-39194
3. ADDRESS OF OPERATOR: 1060 East Highway 40	VernalUT	84078	PHONE NUMBER: (435) 781-9145	10. FIELD AND POOL, OR WILDCAT: Natural Buttes/Wasatch
	FNL & 661' FEL 39.968847 LAT NGE, MERIDIAN: NENE 12 10S 2	The state of the s		COUNTY: Uintah STATE: UTAH
11. CHECK APP	ROPRIATE BOXES TO INDICAT	ΓΕ NATURE (OF NOTICE, REPO	
TYPE OF SUBMISSION		TY	PE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start:	ACIDIZE ALTER CASING CASING REPAIR CHANGE TO PREVIOUS PLANS	DEEPEN FRACTURE NEW CONST OPERATOR	FRUCTION	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR
SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	CHANGE TUBING CHANGE WELL NAME CHANGE WELL STATUS COMMINGLE PRODUCING FORMATIONS CONVERT WELL TYPE	RECLAMATION		VENT OR FLARE WATER DISPOSAL WATER SHUT-OFF OTHER:
	OMPLETED OPERATIONS. Clearly show all pectfully requests authorization to			
NAME (PLEASE PRINT) Mickenzie	Thacker	TITLE	Operations Clerk	
SIGNATURE MICHELL	Thacket-)	DATE	9/9/2008	

(This space for State use only)

RECEIVED SEP 1 5 2008

PLUG & ABANDON PROGRAM

NBU 634-12E

661' FNL & 661' FEL (NE/NE)

Section 12, T10S, R22E

Uintah County, Utah

July 16, 2008

EOG WI: 66.666667%

NRI: 48.061453%

API# 43-047-39194

AFE# 304699

WELL DATA:

ELEVATION:

5172' GL

KB:

5185' (13'KB)

TOTAL DEPTH:

7076' KB

PBTD:

7033' KB

CASING:

9-5/8", 36#, J-55 set @ 2022' KB. Cemented w/300 sxs Premium, no

returns, top off w/700 sxs Premium, cement to surface.

4 ½", 11.6#, N-80 set @ 7076' KB. Cemented w/250 sxs Class 'G',

followed by 1010 sxs 50/50 Poz 'G'. Cement top at 600'.

TUBING:

N/A

PERFORATIONS:

N/A

PROCEDURE:

- 1. MIRU SU. ND wellhead. NU BOPE.
- 2. PU 2 3/8" work string. TIH open ended to 4850' MD. RU cement company. Spot 15 sxs class "G" w/2% CaCl₂ cement plug from 4650' to 4850' MD.
- 3. PUH filling casing with 9 ppg brine to 1950' MD, 100' below Mahogany formation top.
- 4. RU cement company. Spot 60 sxs class "G" w/2% CaCl₂ cement plug from 1165' to 1950' MD, 100' above Green River formation top.
- 5. PUH filling casing with 9 ppg brine to 100' MD.
- 6. RU cement company. Circulate 10sxs surface plug. POOH.
- 7. Cut of casing head. Weld on marker plate \pm 3' below ground level. Remove anchors and backfill over the marker.

PREPARED BY:	
	J.H. Kennah, Production Engineering Specialist
APPROVED BY:	
	P.T. Pendleton, Operations Manager

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

REPORT	OF WATER	ENCOUNTERED	DURING DRILLING	3
ILLOIL	OI HAILIN			•

Well name an	d number: <u>NBU</u>	634-12E				
API number: _						
		tion 12	Township 10S Range 22E	County	UINTAH	
Well operator:		-	,			
Address:	1060 E HWY 4	10				
	city VERNAL		state UT zip 84078	Phone	_: (435) 781-9111	
Drilling contra	ctor: CRAIGS R		•			
Address:	PO BOX 41					
7 (G/G/) GGG	city JENSEN		state UT zip 84035 Phon		: (435) 781-1366	
Water encoun	tered (attach add	ditional page				
	DEP ⁻		VOLUME	- 1 -	QUALITY	٦
	FROM	ТО	(FLOW RATE OR HEAD)		(FRESH OR SALTY)	
	910	920	NO FLOW		NOT KNOWN]
	1,480	1,500	NO FLOW		NOT KNOWN	
						_
						4
						_
						-
The second secon	Nazar igabun anangar Japana di			<u> </u>		
	•				2	
Formation top: (Top to Bottom)		2 5			
	7		8			
•	10 _		11			
If an analysis l	has been made o	of the water	encountered, please attach a	copy of the	e report to this form.	
I hereby certify t	hat this report is tru	ue and comple	te to the best of my knowledge.			···
	Mary A. Mae			₋ Regulat	ory Assistant	
<i>—</i>	$\sqrt{\Lambda}$			10/7/20		
SIGNATURE	IV WAY		DATI	=		

(5/2000)

STATE OF UTAH

	1	DEPARTMENT OF NATURAL RESOUF DIVISION OF OIL, GAS AND MI				5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST
	SUNDRY	NOTICES AND REPORTS	S ON V	WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do	not use this form for proposals to drill n	new wells, significantly deepen existing wells below cur aterals. Use APPLICATION FOR PERMIT TO DRILL fo	rent bottom-t	hole depth, reenter plug proposals.	gged wells, or to	7. UNIT OF CA AGREEMENT NAME: Natural Buttes Unit
1. T	YPE OF WELL OIL WELL					8. WELL NAME and NUMBER: Natural Buttes Unit 634-12E
	AME OF OPERATOR:					9. API NUMBER:
	OG Resources, Inc.			PHONE NUM	MBER:	43-047-39194 10. FIELD AND POOL, OR WILDCAT:
	60 East Highway 40	Vernal Grand UT	84078	(435) 7	81-9145	Natural Buttes/Wasatch
	DOCATION OF WELL DOTAGES AT SURFACE: 661' F	NL & 661' FEL 39.968847 LAT	109.381	200 LON		COUNTY: Uintah
Q	TR/QTR, SECTION, TOWNSHIP, RAN			.L.B. & M.		STATE: UTAH
11.	CHECK APP	ROPRIATE BOXES TO INDICAT	E NAT	URE OF NOT	ICE, REPOR	RT, OR OTHER DATA
	TYPE OF SUBMISSION		·	TYPE OF A	CTION	
	NOTICE OF INTENT	ACIDIZE		EPEN		REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL
	(Submit in Duplicate) Approximate date work will start:	ALTER CASING CASING REPAIR	_	ACTURE TREAT W CONSTRUCTION		TEMPORARILY ABANDON
	Approximate date work will start.	CHANGE TO PREVIOUS PLANS	 	ERATOR CHANGE		TUBING REPAIR
		CHANGE TUBING		JG AND ABANDON		VENT OR FLARE
/	SUBSEQUENT REPORT	CHANGE WELL NAME		JG BACK		WATER DISPOSAL
	(Submit Original Form Only)	CHANGE WELL STATUS	☐ PRO	ODUCTION (START/RE	ESUME)	WATER SHUT-OFF
	Date of work completion:	COMMINGLE PRODUCING FORMATIONS		CLAMATION OF WELL		✓ other: <u>Drilling Operations</u>
		CONVERT WELL TYPE	REC	COMPLETE - DIFFERE	ENT FORMATION	
		CONVERTIVELE TIPE DMPLETED OPERATIONS. Clearly show all p chronology report for the reference	ertinent de	etails including dates		s, etc.
NAM	E (PLEASE PRINT) Mickenzie	Thacker		TITLE Opera	ations Clerk	
	IATURE WYYYYYYY	a Thaday		DATE 10/6/	2008	

(This space for State use only)

RECEIVED OCT 0 8 2008

WELL CHRONOLOGY REPORT

Report Generated On: 10-07-2008

Well Name	NBU 634-12E	Well Type	DEVG	Division	DENVER
Field	NATURAL BUTTES	API#	43-047-39194	Well Class	COMP
County, State	UINTAH, UT	Spud Date	05-11-2008	Class Date	
Tax Credit	N	TVD / MD	7,076/ 7,076	Property #	061453
Water Depth	0	Last CSG	2.375	Shoe TVD / MD	0/ 0
KB / GL Elev	5,185/ 5,172				
Location	Section 12, T10S, R22E, N	NENE, 661 FNL & 66	1 FEL		

DRILL & COMPLETE

Operator	EOG RESOUR	CES, INC WI	% 48.0	062	NRI %	48.0	062
AFE No	304699	AI	FE Total	1,358,400	DHC /	CWC	557,700/ 700,700
Rig Contr	ELENBURG	Rig Name	ELENBURG #28	Start Date	07-11-2007	Release Dat	e 05-20-2008
07-11-2007	Reported By	SHAR	ON CAUDILL				
DailyCosts: D	rilling \$0		Completion	\$0	Da	ily Total	50
Cum Costs: D	rilling \$0		Completion	\$0	We	ell Total	80
MD	0 TVD	0 Pr	ogress 0	Days	0 MW	0.0	Visc 0.0
Formation:		PBTD : 0.0		Perf:		PKR Depth	: 0.0

Activity at Report Time: LOCATION DATA

1.0

Event No

Start End Hrs Activity Description

06:00 06:00 24.0 LOCATION DATA

661' FNL & 661' FEL (NE/NE) SECTION 12, T10S, R22E UINTAH COUNTY, UTAH

LAT 39.968847, LONG 109.381200 (NAD 83) LAT 39.968881, LONG 109.380519 (NAD 27)

Description

ELENBURG #28

OBJECTIVE: 7076' TD, MESAVERDE

DW/GAS

NATURAL BUTTES DEEP PROSPECT

DD&A: NATURAL BUTTES NATURAL BUTTES FIELD

LEASE: UO-01197-A-ST

ELEVATION: 5176.3' NAT GL, 5172.2' PREP GL (DUE TO ROUNDING THE PREP GL WILL BE 5172'), 5185 'KB

(13')

EOG WI 66.666667%, NRI 48.061643%

04-16-2008 Reported By

TERRY CSERE

DailyCosts: Drilling	\$38,000	Completion	\$0		Daily T	otal	\$38,000	
Cum Costs: Drilling	\$38,000	Completion	\$0		Well To		\$38,000	
MD 0	TVD 0	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation:	РВТО		Perf:			PKR De		
Activity at Report Ti							Ľ	
Start End	Hrs Activity D							
06:00 06:00	24.0 START LOG	-						
04-17-2008 Re	ported By	TERRY CSERE					,	
DailyCosts: Drilling	\$0	Completion	\$0		Daily T	otal	\$0	
Cum Costs: Drilling	\$38,000	Completion	\$0		Well To	tal	\$38,000	
MD 0	TVD 0	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation :	PBTD	: 0.0	Perf:			PKR De	pth: 0.0	
Activity at Report Tir	me: BUILD LOCATIO	ON						
Start End	Hrs Activity D	escription						
06:00 06:00	24.0 LOCATION	10% COMPLETE.						
04-18-2008 Re	ported By	TERRY CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily T	otal	\$0	
Cum Costs: Drilling	\$38,000	Completion	\$0		Well To	tal	\$38,000	
MD 0	TVD 0	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation:	PBTD	: 0.0	Perf:			PKR De	pth: 0.0	
Activity at Report Tir	ne: BUILD LOCATIO	ON						
Start End	Hrs Activity D	escription						
06:00 06:00	24.0 LOCATION	15% COMPLETE.						
04-21-2008 Re	ported By	TERRY CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily T	otal	\$0	
Cum Costs: Drilling	\$38,000	Completion	\$0		Well To	tal	\$38,000	
MD 0	TVD 0	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation:	PBTD	: 0.0	Perf:			PKR De	pth: 0.0	
Activity at Report Tir	ne: BUILD LOCATIO)N						
Start End	Hrs Activity D	escription						
06:00 06:00	24.0 LOCATION	20% COMPLETE.						
04-22-2008 Re	ported By	TERRY CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily T	otal	\$0	
Cum Costs: Drilling	\$38,000	Completion	\$0		Well To	tal	\$38,000	
MD 0	TVD 0	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation :	PBTD	: 0.0	Perf:			PKR De	pth: 0.0	
Activity at Report Tin	ne: BUILD LOCATIO	ON						
Start End	Hrs Activity D	escription						
06:00 06:00	24.0 LOCATION	30% COMPLETE.						

DailyCosts: Drilling	\$0	Completion	\$0		Daily '		\$0	
Cum Costs: Drilling	\$38,000	Completion	\$0		Well T	otal	\$38,000	
MD 0	TVD 0	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation :	PBTD	: 0.0	Perf:			PKR De	pth: 0.0	
Activity at Report Tir	me: BUILD LOCATIO)N						
Start End	Hrs Activity De	escription						
06:00 06:00	24.0 LOCATION	35% COMPLETE.				_		
04-24-2008 Re	eported By	TERRY CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily 7	Total	\$0	
Cum Costs: Drilling	\$38,000	Completion	\$0		Well T	`otal	\$38,000	
MD 0	TVD 0	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation :	PBTD	: 0.0	Perf:			PKR De	pth: 0.0	
Activity at Report Tir	me: BUILD LOCATIO	iN						
Start End	Hrs Activity De	escription						
06:00 06:00	24.0 LOCATION	40% COMPLETE.						
04-25-2008 Re	eported By	TERRY CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily 7	Fotal	\$0	
Cum Costs: Drilling	\$38,000	Completion	\$0		Well T	otal	\$38,000	
MD 0	TVD 0	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation :	PBTD :	: 0.0	Perf:			PKR De	pth: 0.0	
Activity at Report Tin	ne: BUILD LOCATIO	N					-	
Start End	Hrs Activity De	escription						
06:00 06:00	24.0 LOCATION	45% COMPLETE.						
04-28-2008 Rej	ported By	TERRY CSERE						
			00			Fotal	\$0	
DailyCosts: Drilling	\$0	Completion	\$0		Daily T	iotai		
	\$0 \$38,000	Completion Completion	\$0 \$0		Daily T Well T		\$38,000	
Cum Costs: Drilling		-	\$0	0	•			0.0
Cum Costs: Drilling MD 0	\$38,000	Completion Progress 0		0	Well T	otal 0.0	\$38,000 Visc	0.0
Cum Costs: Drilling MD 0 Formation:	\$38,000 TVD 0 PBTD :	Completion Progress 0 : 0.0	\$0 Days	0	Well T	otal	\$38,000 Visc	0.0
DailyCosts: Drilling Cum Costs: Drilling MD 0 Formation : Activity at Report Tin	\$38,000 TVD 0 PBTD :	Completion Progress 0 : 0.0	\$0 Days	0	Well T	otal 0.0	\$38,000 Visc	0.0
Cum Costs: Drilling MD 0 Formation: Activity at Report Tin	\$38,000 TVD 0 PBTD: ne: BUILD LOCATIO	Completion Progress 0 : 0.0 N escription	\$0 Days	0	Well T	otal 0.0	\$38,000 Visc	0.0
Cum Costs: Drilling MD 0 Formation : Activity at Report Tin Start End 06:00 06:00	\$38,000 TVD 0 PBTD: ne: BUILD LOCATION Hrs Activity De 24.0 LOCATION	Completion Progress 0 : 0.0 N escription	\$0 Days	0	Well T	otal 0.0	\$38,000 Visc	0.0
Cum Costs: Drilling MD 0 Cormation: Activity at Report Tin Start End 06:00 06:00	\$38,000 TVD 0 PBTD: ne: BUILD LOCATION Hrs Activity De 24.0 LOCATION	Completion Progress 0 0.00 N scription 50% COMPLETE.	\$0 Days	0	Well T	otal 0.0 PKR Dej	\$38,000 Visc	0.0
Cum Costs: Drilling MD 0 Cormation: Activity at Report Tin Start End 06:00 06:00 14-29-2008 Rep DailyCosts: Drilling	\$38,000 TVD 0 PBTD: ne: BUILD LOCATION Hrs Activity De 24.0 LOCATION:	Completion Progress 0 2 0.0 N Escription S0% COMPLETE. TERRY CSERE	\$0 Days Perf:	0	Well To MW Daily T	otal 0.0 PKR De	\$38,000 Visc pth: 0.0	0.0
Cum Costs: Drilling MD 0 Formation: Activity at Report Tin Start End 06:00 06:00 44-29-2008 Rep	\$38,000 TVD 0 PBTD: ne: BUILD LOCATION Hrs Activity De 24.0 LOCATION: ported By \$0	Completion Progress 0 2 0.0 N Secription So% COMPLETE. TERRY CSERE Completion Completion	\$0 Days Perf: \$0 \$0 \$0	0	Well To MW Daily To Well To	otal 0.0 PKR De	\$38,000 Visc pth: 0.0 \$0 \$38,000	0.0
Cum Costs: Drilling AD Cormation: Activity at Report Tin Start End 06:00 06:00 4-29-2008 Rep Daily Costs: Drilling Cum Costs: Drilling	\$38,000 TVD 0 PBTD: ne: BUILD LOCATION Hrs Activity De 24.0 LOCATION: ported By \$0 \$38,000 TVD 0	Completion Progress 0 1 0.0 N Socription Sow COMPLETE. TERRY CSERE Completion Completion Progress 0	\$0 Days Perf: \$0 \$0 Days		Well To MW Daily T	Otal O.O PKR Deport	\$38,000 Visc pth: 0.0 \$0 \$38,000 Visc	
Cum Costs: Drilling MD 0 Formation: Activity at Report Tin Start End 06:00 06:00 14-29-2008 Rep Daily Costs: Drilling Cum Costs: Drilling	\$38,000 TVD 0 PBTD: ne: BUILD LOCATION: Hrs Activity De 24.0 LOCATION: ported By \$0 \$38,000 TVD 0 PBTD:	Completion Progress 0 0.0.0 N escription 50% COMPLETE. TERRY CSERE Completion Completion Progress 0 0.0	\$0 Days Perf: \$0 \$0 \$0		Well To MW Daily To Well To	otal 0.0 PKR De	\$38,000 Visc pth: 0.0 \$0 \$38,000 Visc	
Cum Costs: Drilling MD 0 Formation: Activity at Report Tin Start End 06:00 06:00 14-29-2008 Rep Daily Costs: Drilling Cum Costs: Drilling AD 0 Formation: Activity at Report Tim	\$38,000 TVD 0 PBTD: ne: BUILD LOCATION: Hrs Activity De 24.0 LOCATION: ported By \$0 \$38,000 TVD 0 PBTD:	Completion Progress 0 0 0.0 N Escription So% COMPLETE. TERRY CSERE Completion Completion Progress 0 0.0 N	\$0 Days Perf: \$0 \$0 Days		Well To MW Daily To Well To	Otal O.O PKR Deport	\$38,000 Visc pth: 0.0 \$0 \$38,000 Visc	

DailyCosts:	Drilling	\$0		Com	pletion	\$0		Daily	Total	\$0	
Cum Costs:	Drilling	\$38,0	00	Com	pletion	\$0		Well 7	Total	\$38,000	
MD	60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation:			PBTD:	0.0		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: WO AIR RIG

Start	End	Hrs	Activity Description
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06:00 06:00

24.0 LOCATION COMPLETE. ROCKY MOUNTAIN DRILLING SPUD A 20" HOLE ON 04/29/08 @ 2:30 PM. SET 60' OF 14" CONDUCTOR. CEMENT TO SURFACE WITH READY MIX. JERRY BARNES NOTIFIED CAROL DANIELS W/UDOGM AND MICHAEL LEE W/BLM OF THE SPUD 04/29/08 @ 2:00 PM.

05-08-2008	Re	eported By		JERRY BARNES							
DailyCosts: Dr	illing	\$189,8	326	Com	pletion	\$0		Daily	Total	\$189,826	
Cum Costs: Di	illing	\$227,8	326	Com	pletion	\$0		Well	Fotal	\$227,826	
MD	60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation ·			PRTD .	0.0		Perf ·			PKR Dei	oth: 0.0	

Activity at Report Time: WORT

Start End Hrs Activity Description

06:00 06:00

24.0 MIRU CRAIGS AIR RIG #2 ON 5/4/2008. DRILLED 12–1/4" HOLE TO 2050' GL WITH CLOSED LOOP SYSTEM. ENCOUNTERED WATER @ 910' & 1480'. RAN 47 JTS (2009.30') OF 9–5/8", 36.0#/ FT, J–55, ST&C CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 8 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE. LANDED @ 2022' KB. RDMO AIR RIG.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 2100 PSIG. PUMPED 155 BBLS FRESH WATER & 20 BBLS GELLED WATER FLUSH AHEAD OF CEMENT. MIXED & PUMPED 300 SX (61.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX.

DISPLACED CEMENT W/152 BBLS FRESH WATER. BUMPED PLUG W/500# @ 9:07 AM, 5/6/2008. CHECKED FLOAT, FLOAT HELD. SHUT-IN CASING VALVE. NO RETURNS.

TOP JOB # 1: MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 2 HRS 40 MINUTES.

TOP JOB # 2: MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 2 HRS.

TOP JOB # 3: MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 2 HRS.

TOP JOB # 4: MIXED & PUMPED 200 SX (41 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 2 HRS.

TOP JOB # 5: MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 3 HRS.

TOP JOB # 6: MIXED & PUMPED 100 SX (20.5 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. HOLE FILLED & STOOD FULL. RDMO HALLIBURTON CEMENTERS.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

MIRU GLENNS WIRELINE SERVICE. RAN IN HOLE W/STRAIGHT HOLE SURVEY. TAGGED CEMENT @ 1910'. PICKED UP TO 1890' & TOOK SURVEY. 3.0 DEGREE.

CONDUCTOR LEVEL RECORD: PS= 89.8 OPS= 89.7 VDS= 89.8 MS= 89.6.
9 5/8 CASING LEVEL RECORD: PS= 89.8 OPS= 89.8 VDS= 90.0 MS= 89.87.

KYLAN COOK NOTIFIED JAMIE SPARGER W/BLM & ROOSEVELT OFFICE W/UDOGM OF THE SURFACE CASING & CEMENT JOB ON 5/4/2008 @ 12:15 PM.

			CASING & CEI	MENT JOB ON	3/4/2008 (@ 12:15 PM	•				
05-11-20	008 R	eported l	By MA	ATT WILLIAMS	S						
DailyCos	ts: Drilling	\$	67,503	Com	pletion	\$0		Dail	y Total	\$67,503	
Cum Cos	ts: Drilling	\$	295,329	Com	pletion	\$0		Well	Total	\$295,329	
MD	2,022	TVD	2,022	Progress	0	Days	0	MW	0.0	Visc	0.0
Formatio	n:		PBTD : 0.	0		Perf:			PKR Dep	th: 0.0	
Activity a	it Report Ti	me: RUR	T/RIG REPAIR								
Start	End	Hrs	Activity Descr	iption							
06:00	15:30	9.5	RIG MOVE .6 M PERSONNEL, F (NOTIFIED STA ESTIMATED 1	NG DOWN, MO TE OF UTAH (OVE & RI @ 1500 Oi	G UP, SET 1 N 5/10/08, D	BOP, TEST D AVE HACKF	TO HEAD A	ND LOCK DO	WN BOP W/	FMC REP.
15:30	21:00	5.5	C/O HYDRAUL SLIDES FOR SI		SWIVEL,	REBUILD	SWIVEL, C/0	O BROKEN S	STUDS IN PUI	MP PODS, BU	ILD
21:00	02:00	5.0	NIPPLE UP BO	PE. RIG ON DA	YWORK	@ 21:00 HR	RS, 5/10/08.				
02:00	06:00	4.0	WAIT ON AND	INSTALL MOT	ORS FOR	SWIVEL.					
			NO ACCIDENT	S REPORTED.							
			FUNCTION CR	TAM-O-NWC	IC, & TES	T.					
			SAFETY MEET	ING:MOVING	RIG, NIPI	PLE UP.					
			CREWS FULL.								
			FUEL ON HAN	D: 4004 GALS.	USED: 13	3 GALS. RI	EC: 0.				
			FORMATION T	OP: .							
			LITHOLOGY; .								
			UNMANNED M	UD LOGGER	ON LOCA	TION F/ 5/1	1/08.			•••	
05-12-20	08 Re	ported B	By M.	WILLIAMS / J.	RICHEY						
DailyCost	s: Drilling	\$2	26,817	Com	pletion	\$0		Daily	y Total	\$26,817	
Cum Cost	ts: Drilling	\$3	322,146	Com	pletion	\$0		Well	Total	\$322,146	
MD	2,876	TVD	2,876	Progress	726	Days	1	MW	0.0	Visc	0.0
Formation	n :		PBTD : 0.0)		Perf:			PKR Dep	th : 0.0	
Activity a	t Report Tir	ne: DRIL	LING @ 2876'								
Start	End	Hrs	Activity Descr	iption							
06:00	13:00	7.0	INSTALL NEW SWIVEL.		POWER S	WIVEL. TE	ST SWIVEL,	SWIVEL M	OTORS, AND	HYDRAULIC	PUMP FOR
13:00	15:30	2.5	R/U & TEST BO	PE AS PER PRO	OGRAM.	B&C QUIC	K TEST – WI	TNESS – ST	EVE KUNZLI	ER.	
			INSIDE BOP, SA	FETY VALVE,	UPPER K	ELLY COC	CK 250/5000 F	PSI 5/10 MIN	ī.		

HCR, CHOKE LINE, KILL LINE, 250/5000 PSI 5/10 MIN.

CHOKE MANIFOLD, 250/5000 PSI 5/10 MIN.

PIPE RAMS, BLIND RAMS, 250/5000 PSI 5/10 MIN.

ANNULAR, 250/2500 PSI 5/10 MIN.

TEST 9 5/8" CASING TO 1500 PSI 30 MIN.

15:30	16:00	0.5 INSTALL WEAR BUSHING.
16:00	20:00	4.0 P/U BHA AND TOOLS, TAG CEMENT @ 1937'.
20:00	21:00	1.0 DRILL CEMENT/ FLOAT EQUIPMENT FROM 1937' TO 2050' + 10' OF NEW HOLE, SHOE @ 2022'.'
21:00	21:30	0.5 CIRCULATE, SPOT HI-VIS PILL & PERFORM FIT TEST @ 2022', W/ 8.4 MUD WT, 220 PSI SURFACE PRESSURE = 10.5 EMW. GOOD TEST.
21:30	06:00	8.5 DRILLING FROM 2160' TO 2876', ROP 85, WOB 10/18, RPM 50/60, TQ 2500/2700.

MUD LOSS LAST 24 HRS. 0 BBLS.

MUD WT.8.5 VIS.30.

ROT 85, P/U 88, S/O 83.

ACCIDENTS NONE REPORTED.

FUNCTION CROWN-O-MATIC, & TEST.

SAFETY MEETING: TESTING BOPE, PICKING UP BHA.

CREWS FULL

FUEL ON HAND: 3347, GALS. USED: 657, RECIEVED 0 GALS.

FORMATION TOP: MAHAGONY OIL SHALE.

GAS BG.50 U.

LITHOLOGY; SHALE.

MUD LOGGER UNMANNED ON LOCATION F/5/11/08 (1 DAY).

06:00	06:00	24.0 SPU	O 7−7/8" H	IOLE @ 2130,	5/11/08						
05-13-2008	Re	eported By	М	. WILLIAMS/J	, RICHEY						
DailyCosts: I	Prilling	\$34,29)	Cor	mpletion	\$0		Daily	Total	\$34,299	
Cum Costs: I	Orilling	\$356,4	15	Cor	mpletion	\$0		Well 7	Fotal	\$356,445	
MD	4,643	TVD	4,643	Progress	1,767	Days	2	MW	8.5	Visc	31.0
Formation :]	PBTD : 0	.0		Perf:			PKR De	pth: 0.0	
Activity at Re	eport Ti	me: DRILLING	G @ 4643'								
Start E	nd	Hrs Acti	vity Desc	ription							
		11.5	ing Dose	. Aption							

Activity a	it Report Ti	ime: DRI	LLING @ 4643'
Start	End	Hrs	Activity Description
06:00	10:30	4.5	DRILLING FROM 2876' TO 3306', ROP 96, WOB 10/18, RPM 40/50, TQ 2500/2800.
10:30	11:00	0.5	SERVICE RIG.
11:00	06:00	19.0	DRILLING FROM 3306' TO 4643', 1337', ROP 70, WOB 10/18, RPM 55/60, TQ 4000/4300.
			MUD LOSS LAST 24 HRS. 0 BBLS.
			MUD WT 9.3 PPG VIS.32.
			ROT 187, P/U 190 , S/O 178.
			ACCIDENTS NONE REPORTED.
			FUNCTION CROWN-O-MATIC, & INSPECT BRAKES.
			SAFETY MEETING: WORKING ON MUD PUMPS AND MAKING CONNECTIONS.
			CREWS FULL.

FUEL ON HAND: 1985, GALS. USED: 1362, RECIEVED 0 GALS.

FORMATION TOP: CHAPITA WELLS.

GAS BG.50 U.

LITHOLOGY; SANDSTONE.

MUD LOGGER UNMANNED ON LOCATION F/ 5/11/08 (2 DAYS).

05-14-20	08 R	Reported By	N	I. WILLIAMS/J	RICHEY						
DailyCost	s: Drilling	\$31,51	8	Cor	npletion	\$0		Dail	y Total	\$31,518	
Cum Cost	ts: Drilling	\$387,9	54	Con	npletion	\$0		Well	Total	\$387,964	
MD	5,037	TVD	5,037	Progress	394	Days	3	MW	9.4	Visc	34.0
Formation	n :		PBTD:	0.0		Perf:			PKR De	pth: 0.0	
Activity a	t Report T	ime: DRILLING	G @ 5037'								
Start	End	Hrs Acti	vity Desc	ription							
06:00	09:00	3.0 DRII	LING FR	OM 4643° TO 4	760', ROP	39, WOB 10/	12, RPM 50/	65, TQ 3800/	/4100.		
09:00	09:30	0.5 SER	VICE RIG								
09:30	14:00	4.5 DRII	LING FR	OM 4760 TO 48	350', ROP 2	20', WOB 5/1	0, RPM 50/6	0,TQ 3800/4	000.		
14:00	15:30	1.5 C/O	MOTORS	ON POWER SV	VIVEL.						
15:30	21:00	5.5 DRII	LING FR	OM 4850' TO 4	978', ROP	23, WOB 5/8,	RPM 50/60	TQ 3800/400,	00.		
21:00	02:30	5.5 WOF	K ON HY	DRAULICS FO	R POWER	SWIVEL.					
02:30	06:00	3.5 DRII	LING FR	OM 4978' TO 5	037', ROP	17,WOB 7/10	,RPM 50/60	TQ 3800/430,	00.		
		MUI	LOSS LA	AST 24 HRS. 0 I	BBLS.						
		MUL	WT 9.7 F	PPG VIS.35.							
		ROT	187, P/U	90 , S/O 178.							
		ACC	IDENTS N	ONE REPORT	ED.						
		FUN	CTION CI	ROWN-O-MAT	TC, & INS	PECT BREAD	ζS.				
		SAFI	ETY MEE	TING: FORKLI	FT OP'S,W	ORKING W	TH HIGH P	RESSURE.			
			WS FULL								
		FUEI	ON HAN	ND: 561, GALS.	USED: 14	24 , RECIEV	ED 0 GALS.				
				гор: Снаріта	WELLS.						
			BG.50 U.								
			-	SANDSTONE.							
		MUD	LOGGE	R UNMANNED	ON LOCA	TION F/ 5/11	/08 (3 DAY	S).			
5-15-200	08 R	eported By	W	ILLIAMS/RICH	IEY/FORE	MAN/SCHLI	ENKE				
DailyCosts	: Drilling	\$48,338		Con	pletion	\$0		Daily	y Total	\$48,338	
Cum Costs	s: Drilling	\$436,30	3	Con	pletion	\$0		Well	Total	\$436,303	
1D	5,271	TVD	5,271	Progress	234	Days	4	MW	9.5	Visc	37.0
ormation	:	F	BTD : 0	.0		Perf:			PKR De	pth: 0.0	
ctivity at	Report Ti	me: DRILLING	AT 5271								
tart	End	Hrs Activ	ity Desc	ription							
06:00	10:00	4.0 DRIL	LING FRO	- OM 5037' TO 51	30',93',RC	P,26.5,WOB	6/8,RPM,65	/72,TRQ.420	00/4500		
10:00	11:00	1.0 CHE	CK HYD.	SYSTEM, HIGH EED TO CHAN	I TORQUE			,		TOR LEAKING	GOIL IN

11:00	15:30	4.5 TRIP OUT FOR REPAIRS TIGHT HOLE CIRC.COND. MUD AND PUMP OUT LAYING DOWN DRILL PIPE UN
		ABLE TO ROTATE AT THE TIME. FREE SPOT AT 4950' CIRC.& REPAIR MOTOR CONT. TRIP OUT BACK REAMING TO 4076' ABOVE WASATCH AND COND. MUD F/ 9.5 TO 10.2 TO HOLD BACK SHALE.
15:30	17:00	1.5 RIG REPAIR CHANGE OUT SWIVEL MOTORS, RUN SYSTEM ALL OK.
17:00	00:30	7.5 WASH/REAM F/ 4076' TO 5130' COND. MUD TO 10.8 TO HOLD BACK SHALE.
00:30	06:00	5.5 DRILLING F/ 5130' TO 5271', 141', ROP 25.6, WOB 21/25, RPM 52/72, TRQ 2750/2800
		MUD LOSS LAST 24 HRS. 0 BBLS.
		MUD WT 10.8 PPG VIS.34.
		ROT 87, P/U 127, S/O 67.
		ACCIDENTS NONE REPORTED.
		FUNCTION CROWN-O-MATIC,
		SAFETY MEETING: MUD & CHEM.
		CREWS FULL.
		FUEL ON HAND: 3347 GALS. USED: 1214 GAL., RECIEVED 4000 GALS.
		FORMATION: CHAPITA WELLS.
		GAS BG.50 U.
		LITHOLOGY; SANDSTONE& SHALE.
		MUD LOGGER UNMANNED ON LOCATION F/ 5/11/08 (4 DAYS).
07.46.000	D	D FOREMANIA OCHI ENIZER

05-16-2008	R	eported By	D.	FOREMAN/J.S	CHLENK	ER					
DailyCosts: 1	\$52,9	58	Con	pletion	\$0		Daily	Total	\$52,958		
Cum Costs: 1	Drilling	\$489,	262	Con	\$0		Well	Total	\$489,262		
MD	5,437	TVD	5,437	Progress	166	Days	6	MW	10.6	Visc	37.0
Formation :			PBTD : 0	.0		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: DRILLING AT 5437'

Start End Hrs Activity Description 06:00 11:00 5.0 DRILLING F/5271*TO 5345*, 74*, ROP 14.8, WOB 19, RPM 64/72, TRQ 2800/2900, TOP OF BUCK CANYON. 11:30 11:30 0.5 SURVEY @ 5345* - 5 DEGREES & SERVICE RIG. 11:30 15:00 3.5 DRILLING F/ 5345* TO 5437*, 92*, ROP 26, WOB 21, RPM 68/72, TRQ 2900/3000. 15:00 21:30 6.5 MIX & PUMP SLUG, DROP SURVEY & TOH FOR BIT # 2. 21:30 22:00 0.5 BREAK BIT L/D MOTOR,P/U NEW MOTOR MAKE UP BIT, CHECK MOTOR, 22:00 03:00 5.0 TRIP IN, FILL PIPE @ SHOE CONT. TRIP IN TO 5150* TAG FILL SAND. 03:00 3.0 WASH & REAM F/ 5150* TO 5437* BTM. MUD LOSS LAST 24 HRS. 0 BBLS. MUD WT.10.5 VIS.35. ROT 87, P/U 120, S/O 75, ACCIDENTS NONE REPORTED FUNCTION CROWN—O—MATIC, & TEST SAFETY MEETING: MIX, CHEM, HAND SIGNALS, CREWS FULL FUEL ON HAND: 2221, GALS. USED: 1126, GALS. GAS BG.87 U, CONN. 97 U, TRIP GAS, 299 LITHOLOGY; SAND/ SHALE, MUD LOGGER UNMANED ON LOCATION F/ 5/11/08 (5 DAYS).	Activity a	t Report Ti	me: DRII	LLING AT 5437'
11:00 11:30 0.5 SURVEY @ 5345' - 5 DEGREES & SERVICE RIG. 11:30 15:00 3.5 DRILLING F/ 5345' TO 5437', 92', ROP 26, WOB 21, RPM 68/72, TRQ 2900/3000. 15:00 21:30 6.5 MIX & PUMP SLUG, DROP SURVEY & TOH FOR BIT # 2. 21:30 22:00 0.5 BREAK BIT L/D MOTOR, P/U NEW MOTOR MAKE UP BIT, CHECK MOTOR, 22:00 03:00 5.0 TRIP IN, FILL PIPE @ SHOE CONT. TRIP IN TO 5150' TAG FILL SAND. 3.0 WASH & REAM F/ 5150' TO 5437' BTM. MUD LOSS LAST 24 HRS. 0 BBLS. MUD WT.10.5 VIS.35. ROT 87, P/U 120, S/O 75, ACCIDENTS NONE REPORTED FUNCTION CROWN-O-MATIC, & TEST SAFETY MEETING: MIX, CHEM, HAND SIGNALS, CREWS FULL FUEL ON HAND: 2221, GALS. USED: 1126, GALS. GAS BG.87 U, CONN. 97 U, TRIP GAS, 299 LITHOLOGY; SAND/ SHALE,	Start	End	Hrs	Activity Description
11:30	06:00	11:00	5.0	DRILLING F/ 5271' TO 5345', 74', ROP 14.8, WOB 19, RPM 64/72, TRQ 2800/2900, TOP OF BUCK CANYON.
15:00 21:30 6.5 MIX & PUMP SLUG, DROP SURVEY & TOH FOR BIT # 2. 21:30 22:00 0.5 BREAK BIT L/D MOTOR, P/U NEW MOTOR MAKE UP BIT, CHECK MOTOR, 22:00 03:00 5.0 TRIP IN, FILL PIPE @ SHOE CONT. TRIP IN TO 5150' TAG FILL SAND. 03:00 06:00 3.0 WASH & REAM F/ 5150' TO 5437' BTM. MUD LOSS LAST 24 HRS. 0 BBLS. MUD WT.10.5 VIS.35. ROT 87, P/U 120, S/O 75, ACCIDENTS NONE REPORTED FUNCTION CROWN-O-MATIC, & TEST SAFETY MEETING: MIX, CHEM, HAND SIGNALS, CREWS FULL FUEL ON HAND: 2221, GALS. USED: 1126, GALS. GAS BG.87 U, CONN. 97 U, TRIP GAS, 299 LITHOLOGY; SAND/ SHALE,	11:00	11:30	0.5	SURVEY @ 5345' - 5 DEGREES & SERVICE RIG.
21:30	11:30	15:00	3.5	DRILLING F/ 5345' TO 5437', 92', ROP 26, WOB 21, RPM 68/72, TRQ 2900/3000.
22:00 03:00 5.0 TRIP IN, FILL PIPE @ SHOE CONT. TRIP IN TO 5150' TAG FILL SAND. 03:00 06:00 3.0 WASH & REAM F/ 5150' TO 5437' BTM. MUD LOSS LAST 24 HRS. 0 BBLS. MUD WT.10.5 VIS.35. ROT 87, P/U 120, S/O 75, ACCIDENTS NONE REPORTED FUNCTION CROWN-O-MATIC, & TEST SAFETY MEETING: MIX, CHEM, HAND SIGNALS, CREWS FULL FUEL ON HAND: 2221, GALS. USED: 1126, GALS. GAS BG.87 U, CONN. 97 U, TRIP GAS, 299 LITHOLOGY; SAND/ SHALE,	15:00	21:30	6.5	MIX & PUMP SLUG, DROP SURVEY & TOH FOR BIT # 2.
03:00 06:00 3.0 WASH & REAM F/ 5150' TO 5437' BTM. MUD LOSS LAST 24 HRS. 0 BBLS. MUD WT.10.5 VIS.35. ROT 87, P/U 120, S/O 75, ACCIDENTS NONE REPORTED FUNCTION CROWN-O-MATIC, & TEST SAFETY MEETING: MIX, CHEM, HAND SIGNALS, CREWS FULL FUEL ON HAND: 2221, GALS. USED: 1126, GALS. GAS BG.87 U, CONN. 97 U, TRIP GAS, 299 LITHOLOGY; SAND/ SHALE,	21:30	22:00	0.5	BREAK BIT L/D MOTOR,P/U NEW MOTOR MAKE UP BIT, CHECK MOTOR,
MUD LOSS LAST 24 HRS. 0 BBLS. MUD WT.10.5 VIS.35. ROT 87, P/U 120, S/O 75, ACCIDENTS NONE REPORTED FUNCTION CROWN-O-MATIC, & TEST SAFETY MEETING: MIX, CHEM, HAND SIGNALS, CREWS FULL FUEL ON HAND: 2221, GALS. USED: 1126, GALS. GAS BG.87 U, CONN. 97 U, TRIP GAS, 299 LITHOLOGY; SAND/ SHALE,	22:00	03:00	5.0	TRIP IN, FILL PIPE @ SHOE CONT. TRIP IN TO 5150' TAG FILL SAND.
MUD WT.10.5 VIS.35. ROT 87, P/U 120, S/O 75, ACCIDENTS NONE REPORTED FUNCTION CROWN-O-MATIC, & TEST SAFETY MEETING: MIX, CHEM, HAND SIGNALS, CREWS FULL FUEL ON HAND: 2221, GALS. USED: 1126, GALS. GAS BG.87 U, CONN. 97 U, TRIP GAS, 299 LITHOLOGY; SAND/ SHALE,	03:00	06:00	3.0	WASH & REAM F/ 5150' TO 5437' BTM.
ROT 87, P/U 120, S/O 75, ACCIDENTS NONE REPORTED FUNCTION CROWN-O-MATIC, & TEST SAFETY MEETING: MIX, CHEM, HAND SIGNALS, CREWS FULL FUEL ON HAND: 2221, GALS. USED: 1126, GALS. GAS BG.87 U, CONN. 97 U, TRIP GAS, 299 LITHOLOGY; SAND/ SHALE,				MUD LOSS LAST 24 HRS. 0 BBLS.
ACCIDENTS NONE REPORTED FUNCTION CROWN-O-MATIC, & TEST SAFETY MEETING: MIX, CHEM, HAND SIGNALS, CREWS FULL FUEL ON HAND: 2221, GALS. USED: 1126, GALS. GAS BG.87 U, CONN. 97 U, TRIP GAS, 299 LITHOLOGY; SAND/ SHALE,				MUD WT.10.5 VIS.35.
FUNCTION CROWN-O-MATIC, & TEST SAFETY MEETING: MIX, CHEM, HAND SIGNALS, CREWS FULL FUEL ON HAND: 2221, GALS. USED: 1126, GALS. GAS BG.87 U, CONN. 97 U, TRIP GAS, 299 LITHOLOGY; SAND/ SHALE,				ROT 87, P/U 120, S/O 75,
SAFETY MEETING: MIX, CHEM, HAND SIGNALS, CREWS FULL FUEL ON HAND: 2221, GALS. USED: 1126, GALS. GAS BG.87 U, CONN. 97 U, TRIP GAS, 299 LITHOLOGY; SAND/ SHALE,				ACCIDENTS NONE REPORTED
CREWS FULL FUEL ON HAND: 2221, GALS. USED: 1126, GALS. GAS BG.87 U, CONN. 97 U, TRIP GAS, 299 LITHOLOGY; SAND/ SHALE,				FUNCTION CROWN-O-MATIC, & TEST
FUEL ON HAND: 2221, GALS. USED: 1126, GALS. GAS BG.87 U, CONN. 97 U, TRIP GAS, 299 LITHOLOGY; SAND/ SHALE,				SAFETY MEETING: MIX, CHEM, HAND SIGNALS,
GAS BG.87 U, CONN. 97 U, TRIP GAS, 299 LITHOLOGY; SAND/ SHALE,				CREWS FULL
LITHOLOGY; SAND/ SHALE,				FUEL ON HAND: 2221, GALS. USED: 1126, GALS.
				GAS BG.87 U, CONN. 97 U, TRIP GAS, 299
MUD LOGGER UNMANED ON LOCATION F/ 5/11/08 (5 DAYS).				LITHOLOGY; SAND/ SHALE,
				MUD LOGGER UNMANED ON LOCATION F/ 5/11/08 (5 DAYS).

05-17-2008 Reported By

D.FOREMAN/J.SCHLENKER

DailyCosts: Drilling

\$45,320

Completion

Daily Total

\$45,320

Cum Cost	s: Drilling	\$	534,583	Con	npletion	\$0		Well	Total	\$534,583	
MD	6,665	TVD	6,665	Progress	1,228	Days	7	MW	10.8	Visc	35,0
Formation	ı :		PBTD : 0	.0		Perf:			PKR Dep	oth: 0.0	
Activity at	t Report T	ime: DRII	LLING @ 6665'								
Start	End	Hrs	Activity Desc	ription							
06:00	12:30	6.5	DRILLING F/	5437' TO 5785',	348', ROP	54, WOB 12	2/15, RPM 60	72, TRQ 280	00/3000		
12:30	13:00	0.5	SERVICE RIG								
13:00	06:00	17.0	DRILLING F/	5785° TO 6656°,	871, ROP,5	1.23,WOB,1	8/22,RPM,60	/72,TRQ,270	0/3150		
			MUD LOSS LA	AST 24 HRS. 85	BBLS.						
			MUD WT.10.8	VIS.40.							
			ROT 105, P/U 2	200, S/O 80,							
			ACCIDENTS N	ONE REPORT	ED						
			FUNCTION CI	ROWN-O-MAT	TIC,						
			SAFETY MEE	TING: LOCK O	UT TAG O	UT,					
			CREWS FULL								
			FUEL ON HAN	ND: 3218, GALS	S. USED: 1	682, GALS.					
			GAS BG.55 U,	CONN. 105 U,							
			LITHOLOGY;	SAND/ SHALE	,						
			MUD LOGGE	R UNMANED C	N LOCAT	ION F/ 5/11	08 (6 DAYS)				
05-18-200)8 R	Reported I	By D	FOREMAN/J.S	CHLENKE	ER .					
DailyCosts	s: Drilling	\$:	30,417	Con	pletion	\$0		Daily	/ Total	\$30,417	
Cum Costs	s: Drilling	\$	565,000	Con	pletion	\$0		Well	Total	\$565,000	

05-18-2008	Repo	rted By	D.	FOREMAN/J.SC	CHLENKI	ER						
DailyCosts: Dril	ling	\$30,417		Com	pletion	\$0		Daily	Total	\$30,417		
Cum Costs: Dri	lling	\$565,00	0	Com	\$0		Well 7	\$565,000				
MD 6,9	6,918 TVD			Progress	Days	8 MW 10.9			Visc 38.0			
Formation: PB			BTD : 0	.0		Perf:	PKR Depth: 0.0					

Activity at Report Time: TFNBHA @ 6918

Start	End	Hrs	Activity Description
06:00	12:00	6.0	DRILLING F/ 6665' TO 6918', 253', ROP 42', WOB 10, RPM 68/72, TRQ 3300
			PIPE STUCK WHILE MAKING CONNECTION @ 6918'.
12:00	18:00	6.0	WORK STUCK PIPE W/ FULL CIRCULATION – NO FREE TRAVEL, CALCULATED FREE POINT W/ STRETCH TO BE \textcircled{a} 4,000°.
18:00	20:30	2.5	MIX AND SPOT PIPE LAX PILL. 100 BBLS. DIESEL W/ 90 CANS OF PIPE LAX.
20:30	00:30	4.0	WORKING PIPE, PIPE FREE TO ROTATE @ 21:00, STILL NO FREE TRAVEL, SLOWLY WORKING UP WHILE ROTATING. F/ 6918' TO 6872'.
00:30	01:00	0.5	REPAIR HYDRAULIC HOSE ON RIG SWIVEL DUE TO EXCESSIVE TORQUE
01:00	05:00	4.0	BACK REAMING, LOOKING F/ FREE TRAVEL, W/ 60 TO 100K OVERPULL, 6872' TO 6308'.
05:00	06:00	1.0	CIRCULATE AND WORK PIPE, MIX AND PUMP SLUG FOR TOH.
			MUD LOSS LAST 24 HRS. 85 BBLS.
			MUD WT.10.2 VIS.44.
			ROT 105, P/U 200, S/O 80,
			ACCIDENTS NONE REPORTED
			FUNCTION CROWN-O-MATIC,
			SAFETY MEETING: WORK STUCK PIPE,
			CREWS FULL
			FUEL ON HAND: 3218, GALS. USED: 5000, GALS (1000 RIG, 4000 MUD). RECD. 4000 GAL.

GAS BG.55 U, CONN. 105 U, LITHOLOGY; SAND/ SHALE,

MUD LOGGER UNMANNED ON LOCATION F/5/11/08 (7 DAYS).

051920	08 Re	eported B	By D	.FOREMAN/J.S	CHLENKI	ER					
DailyCos	ts: Drilling	\$6	54,786	Сог	npletion	\$0		Dail	y Total	\$64,786	
Cum Cos	ts: Drilling	\$6	529,787	Cor	npletion	\$0		Wel	l Total	sal \$629,787	
MD	7,076	TVD	7,076	Progress	158	Days	9	MW	10.2	Visc	41.0
Formatio	n:		PBTD:	0.0		Perf:			PKR De	pth: 0.0	
Activity a	t Report Ti	me: TD A	T 7076' / LDDF)							
Start	End	Hrs	Activity Desc	cription							
06:00	14:30	8.5	PREPARE & P	UMP SLUG FC	R TRIP OU	T F/ BHA CHA	NGE.				
14:30	16:00	1.5	TRIPPING TO	SHOE.							
16:00	18:00	2.0	SLIP & CUT D	RILL LINE. 80	,						
18:00	22:30	4.5	FINISH TRIP I	N TAG FILL @	6890', CIR	.C. WASH TO B	OTTOM.				
22:30	01:00		DRILLING F/ 6 5/19/2008.	6918' TO 7076',	158', ROP	63, WOB 17.5,	RPM 66/	72, TQR 260	0/2800. REAC	HED TD @ 01	00 HRS
01:00	03:00	2.0	CIRC, BOTTO	MS UP COND.	MUD, SPC	T 130 BBLS. 11	# MUD (ON BOTTON	и EMW 10.4		
			MUD LOSS LA	AST 24 HRS. 0	BBLS.						
		1	MUD WT.10.5	VIS.44.							
		1	ROT 105, P/U 1	85, S/O 70.							
			ACCIDENTS N	ONE REPORT	ED.						
]	FUNCTION CF	ROWN-O-MAT	TIC.						
		j	INSPECTED D	RAW WORKS.							
		\$	SAFETY MEE	TING: TIH							
		(CREWS FULL								
		3	FUEL ON HAN	ND: 5218 GALS	. USED: 81	5 GALS. RECE	IVED 30	00 GAL.			
			TD @ 01:00 - 5	5/19/08 – 7076'							
		Í	MUD LOGGEF	R UNMANED (N LOCAT	ON SINCE 5/1	1/08 (9 D.	AYS).			
]	BG 47: CONN.	85 : TRIP GAS	240						
03:00	06:00	3.0 1	LDDP TO RUN	CSG.							
5-20-20	08 Re	ported B	y D.	FOREMAN/J.S	CHLENKE	R					
ailyCost	s: Drilling	\$34	4,436	Con	pletion	\$125,244		Dail	y Total	\$159,680	
Cum Cost	s: Drilling	\$60	64,223	Con	pletion	\$125,244		Well	Total	\$789,467	
4D	7,076	TVD	7,076	Progress	0	Days	10	MW	0.0	Visc	0.0
`ormation	ı :		PBTD : 0.	.0		Perf:			PKR Dep	oth: 0.0	
ctivity at	Report Tin	ne: RDRT	/WO COMPLE	CTION							
tart	End	Hrs A	Activity Desc	ription							
06:00	09:30	3.5 I	L/D DRILL PIP	E & BHA.							
	10:00	0.5.8	SERVICE RIG								
09:30		0.0 2	JEKVICE KIO								

12:30	20:30	8.0 RUN CASING 4.5 N-80, 11.6# LTC, TAG @ 7075', RAN 175 JTS. + 1 MARKER JT.+,1 PUP JT. AS FOLLOWS, FLOAT SHOE,@7076' 1JT.CSG. FLOAT COLLAR @ 7033' 81 JTS. CSG.,1 MARKER JT.@3766, 92 JTS.CSG.,1 PUP, JT.1 JT. CSG. HANGER ASS.,CENTRALIZERS, 5 FT. ABOVE SHOE,TOP OF JT.#2 & EVERY 3 TH. JT. TOTAL 15.
20:30	21:00	0.5 LAY DOWN TAG JT. SPACE OUT MAKE UP HANGER LAND CASING W/ 60,000 FULL STRING WT.
21:00	22:00	1.0 CIRC. RIG DOWN WEATHERFORD, SAFETY W/SCHLUMBERGER & RIG CREW.
22:00	00:00	2.0 RIG UP SCHLUMBERGER, TEST LINES TO 5000 PSI, PUMP 20 BBLS CHEM WASH & 20 BBLS WATER SPACER AHEAD & CEMENT.7076' 4 1/2 N80 11.6# LTC CSG. LEAD CEMENT – 250 SKS.G + ADDS MIX – D020 – 10% EXTENDER, D167 .2% FLUID LOSS, D046 .2% ANTIFOAM, D013 .5% RETARDER, D065 .5% DISPERSANT, D130 .125%LB/SK BLEND LOST CIRC. YIELD 2.98 FT3/SK, 18.227 GAL/SK @ 11.5 PPG., 132.6 BBLS. TAIL CEMENT – 1010 SKS 50/50 POZ G + ADDS – D020 2% EXTENDER, D046 .1% ANTIFOAM, D167 .2% FLUID LOSS, D065 .2% DISPERSANT, S001 1.% ACCELERATOR, YIELD 1.29 FT3/SK 5.941 GAL/SK @ 14.1 PPG., 232 BBLS. DISP TO FLOAT COLLER @ 7033' W/FRESH WATER. AVG. DISP. RATE 6.5. BPM, FULL RETURNS THROUGH OUT JOB. DROP PLUG @ 23:28, LIFT PRESS 1300 PSI. PUMP 109 BBLS OF FRESH WATER, BUMPED PLUG TO 2300 PSI @ 23:50 F/3 MINS. FLOAT HELD, I BBL. BACK @ 23:54 CEMENT IN PLACE. RIG DOWN SCHLUMBERGER.
00:00	06:00	6.0 RIG DOWN FOR RIG MOVE, ND BOP W/ FMC PRESENT, CLEANING MUD TANKS W/ VAC TRUCKS & HAULING TO PIT ON CWU $697-32$.

KHUR TRUCKS TO ARRIVE @ 07:00 FOR 8 .5 MILE RIG MOVE TO CWU 697–32.

ADVISED BLM, JAMIE SPARGER 435 781 4502 - RIG MOVE & BOP TEST.

MUD LOSS LAST 24 HRS. 0 BBLS.

MUD WT.10.5 VIS.44.

ACCIDENTS NONE REPORTED.

FUNCTION CROWN-O-MATIC.

INSPECTED DRAW WORKS.

SAFETY MEETING: RUN CSG & CEMENTING.

CREWS FULL.

FUEL ON HAND: 5076 GALS. USED: 420 GALS.

MUD LOGGER UNMANED ON LOCATION SINCE 5/11/08 TO 5/19/08 (9 DAYS).

@ 06:00 CLEAN MUD TANKS.

06:00 06:00

24.0 RELEASE RIG @ 06:00 HRS, 5/20/08.

CASING POINT COST \$664,223

				1 0001 4001,2							
05-29-2008	Rep	orted By	HI	SLOP							
DailyCosts: Dril	ling	\$0		Con	npletion	\$8,948		Daily T	otal	\$8,948	
Cum Costs: Dril	ling	\$664,22	23	Con	npletion	\$134,192		Well To	otal	\$798,415	
MD 7,0	76	ГVD	7,076	Progress	0	Days	11	MW	0.0	Visc	0.0
Formation :		I	PBTD : 0	.0		Perf:			PKR De	pth: 0.0	
Activity at Repo	rt Time	e: PREP TO	LOG								
Start End	I	Hrs Acti	vity Desc	ription							
06:00 06:	00					OP. RIH WITH 3 LD TBG. ND BC					CULATED
05-31-2008	Repo	orted By	Mo	CCURDY							
DailyCosts: Dril	ling	\$0		Con	pletion	\$42,206		Daily T	otal	\$42,206	
Cum Costs: Dril	ling	\$664,22	23	Con	pletion	\$176,398		Well To	tal	\$840,621	

MD 7,076 TVD 7,076 Progress 0 Days 11 MW 0.0 Visc 0.0

Formation: PBTD: 0.0 Perf: PKR Depth: 0.0

Activity at Report Time: WO COMPLETION

Start End Hrs Activity Description

06:00 24.0 5/29/08 MIRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM PBTD TO 330'. EST CEMENT TOP @

580". RD SCHLUMBERGER.

NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 6500 PSIG. WO COMPLETION.

STATE OF UTAH

AMENDED REPORT FORM 8 DEPARTMENT OF NATURAL RESOURCES (highlight changes) 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING UO-01197-A-ST 6. IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG 1a. TYPE OF WELL: 7. UNIT or CA AGREEMENT NAME GAS (Z) OL DRY OTHER **Natural Buttes Unit** 8. WELL NAME and NUMBER: b. TYPE OF WORK: HORIZ. DEEP-Natural Buttes Unit 634-12E RE-ENTRY DIFF. RESVR. WELL Z OTHER 9. API NUMBER: 2. NAME OF OPERATOR: EOG Resources, Inc. 43-047-39194 10 FIELD AND POOL, OR WILDCAT 3. ADDRESS OF OPERATOR: PHONE NUMBER: STATE CO ZIP 80202 Natural Buttes/Wasatch/MV (303) 824-5526 600 17th St., Suite 1000N CITY Denver 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 661' FNL & 661' FEL 39.968847 LAT 109.381200 LON NENE 12 10S 22E S AT TOP PRODUCING INTERVAL REPORTED BELOW: Same 12. COUNTY 13. STATE AT TOTAL DEPTH: Same UTAH Uintah 15. DATE T.D. REACHED: 17. ELEVATIONS (DF, RKB, RT, GL): 14. DATE SPUDDED: 16. DATE COMPLETED: ABANDONED 🗸 READY TO PRODUCE 5176' NAT GL 4/29/2008 5/19/2008 31/08 21. DEPTH BRIDGE 18. TOTAL DEPTH: MD 7,076 19. PLUG BACK T.D.: 20. IF MULTIPLE COMPLETIONS, HOW MANY? * PLUG SET: TVD 22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) 23. WAS WELL CORED? NO 🗸 YES (Submit analysis) RSTÍCBL/CCL/VDL/GR NO 🗸 WAS DST RUN? YES (Submit report) DIRECTIONAL SURVEY? NO **7** YES (Submit copy) 24. CASING AND LINER RECORD (Report all strings set in well) STAGE CEMENTER CEMENT TYPE & SLURRY HOLE SIZE SIZE/GRADE WEIGHT (#/ft.) TOP (MD) BOTTOM (MD) CEMENT TOP ** AMOUNT PULLED DEPTH NO. OF SACKS VOLUME (BBL) 12-1/4 9-5/8 J-55 36.0 0 2.022 1000 0 7-7/8 4-1/2 N-80 11.6 7,076 1260 25. TUBING RECORD DEPTH SET (MD) PACKER SET (MD) DEPTH SET (MD) PACKER SET (MD) SIZE DEPTH SET (MD) PACKER SET (MD) SIZE SIZE 26. PRODUCING INTERVALS 27. PERFORATION RECORD FORMATION NAME TOP (MD) BOTTOM (MD) BOTTOM (TVD) INTERVAL (Top/Bot - MD) SIZE NO. HOLES PERFORATION STATUS TOP (TVD) Squeezed Open (A) (B) Open Saueezed Squeezed (C) Squeezed Open (D) 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. **DEPTH INTERVAL** AMOUNT AND TYPE OF MATERIAL 29. ENCLOSED ATTACHMENTS: 30. WELL STATUS: ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY CORE ANALYSIS OTHER: SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION

10° 505'

(5/2000)

(CONTINUED ON BACK)

DIK OF OIL, GAS & MINING

31. INITIAL PRO	DUCTION				INT	ERVAL A (As sho	wn in item #26)			•		
DATE FIRST PR	ODUCED:	TEST	DATE:		HOURS TESTED	D:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - B	BL: PROD. METHO):
CHOKE SIZE:	TBG. PRES	s. csg.	PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL - BBL:	GAS MCF:	WATER - B	BL: INTERVAL STA	ľUS:
					INT	ERVAL B (As sho	wn in item #26)					
DATE FIRST PR	ODUCED:	TEST	DATE:		HOURS TESTED	D :	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - B	BL: PROD. METHO) :
CHOKE SIZE:	TBG. PRES	S. CSG.	PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL - BBL:	GAS MCF:	WATER - B	BL: INTERVAL STA	rus:
					INT	ERVAL C (As sho	wn in item #26)					
DATE FIRST PRO	ODUCED:	TEST	DATE:		HOURS TESTED	D :	TEST PRODUCTION RATES: →	OIL - BBL:	GAS MCF:	WATER - B	BL: PROD. METHO):
CHOKE SIZE:	TBG. PRES	S. CSG.	PRESS.	API GRAVITY	BTU GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL - BBL:	GAS - MCF:	WATER - B	BL: INTERVAL STA	TUS:
					INT	ERVAL D (As sho	wn in item #26)					
DATE FIRST PRO	ODUCED:	TEST	DATE:	·,	HOURS TESTED	D:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER – B	BL: PROD. METHO):
CHOKE SIZE:	TBG. PRES	s. csg.	PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL - BBL:	GAS - MCF:	WATER - B	BL: INTERVAL STA	US:
32. DISPOSITIO	N OF GAS (S	iold, Used f	or Fuel, Ve	nted, Etc.)								
33. SUMMARY	OF POROUS	ZONES (Inc	lude Aquif	ers):				34. FORMATION	(Log) MARKERS:			_
Show all importar tested, cushion us						n tests, including de	pth interval	_				
Formatio	n	Top (MD)		ttom ∦D)	Descript	tions, Contents, etc			Name		Top (Measured Depth)	
										:		
								-				
		A									·····	
35. ADDITIONAL	. REMARKS	(include plu	igging pro	cedure)								
The subject	ct well w	ill be pl	ugged	and aband	oned as per	r the pendin	g P&A sundry	y.				
36. I hereby cert	ify that the fo	oregoing an	d attached	information is c	omplete and corre	ect as determined	from all available rec	ords.				
•												
NAME (PLEASE	PRINT) M	lary A. I	Maesta	is .			TITLE Reg	ulatory As	<u>sistant</u>			_
SIGNATURE	_/\/	am	U.	Ma	ufa_		DATE 10/7	7/2008				
 drilling 	eting or pl horizonta	ugging a I laterals	new wel from an		oore •	significantly d	previously plugge eepening an exist carbon explorator	sting well bor	e below the prev			

- * ITEM 20: Show the number of completions if production is measured separately from two or more formations.
- **ITEM 24: Cement Top Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

DIRECTIONAL SURVEY CALCULATION

MINUMUM RADIUS OF CURVATURE METHOD

EOG NBU 634-12E API 43-047-39194

Magnetic Declination, degrees = 11.50 Initial Drift Angle, degrees = 0.00

Initial Drift Angle, degrees = 0.00
Vertical Section Direction, degrees 180.00 (Proposed Azimuth)

MD	DRIFT	SURVEY	DOGLEG ANGLE	F	TVD	NORTHING	EASTING	BH DEPART	B-hole DIR	VERT Section	DOGLEG Severity	TRUE DIR	DELTA N		Course Lgth Horz Plane		CHART VS	CHART TVD	CHART EAST	CHART NORTH	dx from lease
feet	degrees	degrees	degrees	factor	feet	feet	feet	feet	degrees	feet	deg/100 ft	degrees	feet	feet	feet	degrees	feet	feet	feet	feet	line
									1.					•					-720	-1698	813.19
3800.00	48.37	181.79	48.37	1.063954	3568.32	-763.59	-108.15	771.21	188.06	-763.59	2.46	181.79	-1510.24	-47.20	1510.98	181.79	-763.59	-3568.32	-108.15	-763.59	771.21
4000.00	51.20	181.28	2.86	1.000207	3697.44	-916.25	-112.23	923.10	186.98	-916.25	1.43	181.28	-152.65	-4.08	152.71	181.53	-916.25	-3697.44	-112.23	-916.25	923.10
4200.00	57.19	179.97	6.08	1.000940	3814.40	-1078.36	-113.93	1084.36	186.03	-1078.36	3.04	179.97	-162.11	-1.70	162.12	180.60	-1078.36	-3814.40	-113.93	-1078.36	1084.36
4400.00	62.81	181.08	5.70	1.000826	3914.36	-1251.49	-115.56	1256.81	185.28	-1251.49	2.85	181.08	-173.12	-1.63	173.13	180.54	-1251.49	-3914.36	-115.56	-1251.49	1256.81
4600.00	69.57	179.46	6.92	1.001217	3995.06	-1434.35	-116.35	1439.06	184.64	-1434.35	3.46	179.46	-182.86	-0.79	182.86	180.25	-1434.35	-3995.06	-116.35	-1434.35	1439.06
4800.00	73.85	176.18	5.29	1.000712	4057.82	-1624.03	-109.07	1627.69	183.84	-1624.03	2.65	176.18	-189.68	7.29	189.82	177.80	-1624.03	-4057.82	-109.07	-1624.03	1627.69
7033.00	75.00	169.00	7.01	1.001250	4755.00	-3755.39	168.50	3759.17	177.43	-3755.39	0.31	169.00	-2131.36	277.57	2149.36	172.58	-3755.39	-4755.00	168.50	-3755.39	3759.17
7076.00	75.00	168.00	0.97	1.000024	4768.00	-3796.09	176.78	3800.20	177.33	-3796.09	2.25	168.00	-40.70	8.28	41.53	168.50	-3796.09	-4768.00	176.78	-3796.09	3800.20

Helen Sadik-Macdonald - NBU 634-12E Tops

From: To:

Date:

11/24/2008 3:27 PM Subject: NBU 634-12E Tops

CC:

Kaylene 781-9111

Here are the tops for the NBU 634-12E.

We will also be sending a revised completion report with the tops by mail.

Thank you, Mickenzie

<u>Horizon</u>	<u>Formation</u>	MD (ft.)	TVD (ft.)	TVDss (ft.)
GNRV	Green River Fm.	1243	1242	3943
BNZ	Birds Nest Zone	1375	1374	3811
MOSB	Mahogany Oil Shale Bed	1855	1852	3333
H-MKR	Base Parachute Ck Mbr	2577	2560	2625
UTLS	Uteland Butte Limestone	4549	4053	1132
WSTC	Wasatch Fm.	4768	4187	998
	TD	7076	5351	-166

Was not a directional permit

Have to plug because well path violates K.M's spacing agree
Have to plug because well path violates K.M's spacing agree
ment with Anadarko.

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DIV. OF OIL, GAS & MINING



Job Number: 083217509508

Company: EOG Resources, Inc.

Lease/Well: NBU 634-12E

Location: Uintah County, Utah

Rig Name: Perfolog Wireline

RKB:

G.L. or M.S.L.:

State/Country: Utah/USA

Declination: 11.50°

Grid: East To Grid

File name: F:\SURVEY\2008SU~1\EOGRES~1\NBU63412.SVY

Date/Time: 20-Jun-08 / 08:42

Curve Name: Surface - 4800' M.D. (SRG)

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method
Vertical Section Plane .00
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured	inci	Drift	True			Vertical	CL	OSURE	Dogleg	
Depth	Angle	Direction	Vertical	N-S	E-W	Section	Distance	Direction	Severity	
FT	Deg	Deg	Depth	FT	FT	FT	FT	Deg	Deg/100	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
200.00	1.06	59.04	199.99	.95	1.59	.95	1.85	59.04	.53	
400.00	1.18	65.08	399.95	2.77			5.75	61.20	.08	
600.00	1.12	72.95	599.91	4.21	8.78	4.21	9.74	64.36	.08	
800.00	1.01	69.83	799.88	5.39	12.30	5.39	13.43	66.33	.06	
1000.00	,91	69.12	999.85	6.57	15.44	6.57	16.78	66.96	.05	
1200.00	.16	201.24	1199.84	6.87	16.82	6.87	18.17	67.78	.51	
1400.00	1.44	221.11	1399.82	4.72	15.07	4.72	15.79	72.61	.65	
1600.00	2.93	214.83	1599.67	-1.37	10.50	-1.37	10.58	97.44	.75	
1800.00	2.92	211.50	1799.41	-9.91	4.91	-9.91	11.06	153.62	.09	
								RE	CEIVED	

Page 1

DEC 0 1 2008

Measured	Incl	Drift	True			Vertical	CLO	OSURE	Dogleg		
Depth	Angle	Direction	Vertical	N-S	E-W	Section	Distance	Direction	Severity		
<u>FT</u>	Deg	Deg	Depth	FT	FT	FT	FT	Deg	Deg/100		
2000.00	3.09	210.47	1999.13	-18.90	~.48	-18.90	18.91	181.46	.09		
2200.00	4.98	202.86	2198.63	-31.55	-6.59	-31.55	32.23	191.79	.98		
2400.00	9.69	198.97	2396.94	-55.48	-15.44	-55.48	57.58	195.55	2.37		
2600.00	16.71	195.12	2591.53	-99.21	-28.42	-99.21	103.20	195.99	3.54		
2800.00	23.46	191.70	2779.27	-166.03	-44.02	-166.03	171.76	194.85	3.42		
3000.00	29.80	189.71	2957.96	-254.09	-60.49	-254.09	261.19	193.39	3.20		
3200.00	35.49	187.28	3126.31	-360.75	-76.24	-360.75	368.72	191.93	2.92		
3400.00	41.71	185.51	3282.54	-484.70	-90.00			190.52	3.16		
3600.00	43.70	183.91	3429.51	-619.87	-101.10	-619.87	492.98 628.06	189.26	1.13		
3800.00	48.37	181.79	3568.32	-763.59	-108.15	-763.59	771.21	188.06	2.46		
4000.00	51.20	181.28	3697.44	-916.25	-112.23	-916.25	923.10	186.98	1.43		
4200.00	57.19	179.97	3814.40	-1078.36	-113.93	-1078.36	1084.36	186.03	3.04		
4400.00	62.81	181.08	3914.36	-1251.49	-115.56	-1251.49	1256.81	185.28	2.85		
4600.00	69.57	179.46	3995.06	-1434.35	-116.35	-1434.35	1439.06	184.64	3.46		
Last Survey	Depth Record	led	 								
4800.00	73.85	176.18	4057.82	-1624.03	-109.07	-1624.03	1627.69	183.84	2.65		

Helen Sadik-Macdonald - NBU 634-12E Gyro Survey

From: To:

Date:

12/01/2008 12:11 PM

Subject:

NBU 634-12E Gyro Survey

CC:

Attachments:

The instrumentation used to measure drilling variance for NBU 634-12E maxed out at 3%. During correlation of the cased hole logs the tops varied from the anticipated depths bringing into question the BHL. As a result, EOG ran a gyro survey to confirm the BHL. The gyro survey indicates the inclination angle was over 7 degrees at 4800' total depth. Projections indicated a displacement of over 3800' at TD. As a result EOG is requesting to Plug and Abandon the referenced wellbore.

RECEIVED

DEC 0 1 2008

DIV. OF OIL, GAS & MINING

Revised from previous submission on 10/7/2008.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES													AMENDED REPORT (highlight changes) 5. LEASE DESIGNATION AND SERIAL NUMBER				ORM 8
			OIVISI	ON OI	F OIL,	GAS	AND	MININ	G			[ESIGNATIO		RIAL NUN	IBER:
WEL	L COMP	PLET	ION	OR F	RECO	MPL	ETIC	ON R	EPOR	T ANE	LOG	-	. IF INDIA	N, ALLOTTE	E OR TRI	BE NAME	
1a. TYPE OF WELL	:	OII) (GAS F	Z	DRY		OTHE	R				ca agreen ral Butte			
b. TYPE OF WORK NEW WELL	C: HORIZ.	DE DE	EP-) <u>f</u>	RE- NTRY		DIFF. RESVR.		OTHE	R			8. WELL NAME and NUMBER: Natural Buttes Unit 634-12E				
2. NAME OF OPERATOR: EOG Resources, Inc.												9	9. API NUMBER: 43-047-39194				
3. ADDRESS OF OPERATOR: PHONE NUMBER: 1060 East Highway 40 CITY Vernal STATE UT ZIP 84078 (435) 789-0790														nd Pool. o			۷IV
ATSURFACE: 661' ENL & 661' EEL 39 9688471 AT 109 381200 LON												1. OTR/OT MERIDI NENE	R, SECTION AN: 12		SHIP, RANG		
AT TOP PRODU	_	L REPOR	SF.	.ow: S S-17	ame	25 R 25 I	aaE		20)F	Y	[1	2. COUNT		1	3. STATE	UTAH
14. DATE SPUDDEI	D: 15.	DATE T. 5/19/2	D. REACI			E COMPL			ABANDONE	· Z	READY TO PRO	DDUCE [EVATIONS			
18. TOTAL DEPTH:		76		9. PLUG	BACK T.		7,033 530		20. IF MI	JLTIPLE CO	OMPLETIONS, H	OW MANY	2 * 21. DE	PTH BRIDG PLUG SET:			
22. TYPE ELECTRIC RST/CBL/C	C AND OTHER	MECHAN	ICAL LOG	GS RUN (S	Submit co			_	:	23. WAS WELI WAS DST DIRECTION		i	10 Z 10 Z	YES T	(Subn	nit analysis nit report) nit copy))
24. CASING AND L	NER RECORD	(Report a	il strings	set in we	ell)												
HOLE SIZE	SIZE/GRAL	DE	WEIGHT	(#/ft.)	TOP	(MD)	вотто	M (MD)	STAGE CE DEF		NO. OF SACH	E& S	LURRY UME (BBL)	CEMEN	IT TOP **	AMOUN	IT PULLED
12-1/4		-55	36.)		22			1000					-	
7-7/8	4-1/2 N	V-80	11.	6			7,076			1260							
													_				
25. TUBING RECO			T				_ :			T 5, 0/6	2 227 (40)	SIZE	т	DEDTH OF	T (MD)	DACKED	SET (MD)
SIZE	DEPTH SE	ET (MD)	PACK	ER SET (N	(0)	SIZE	<u> </u>	DEPTH	SET (MD)	PACKER	R SET (MD)	5126		DEPTH SE	1 (1010)	PACKER	SET (MD)
26. PRODUCING IN	TERVALS										RATION RECOR						
FORMATION	NAME	TOP (MD)	BOTTO	M (MD)	TOP	(TVD)	BOTTO	M (TVD)	INTERVA	L (Top/Bat - MD)) SIZE	NO. H			RATION ST.	
(A)												-	-	Ope	=	Squeezed	- -
(B)						 						-	+	Ope	=	Squeezed	=
(C) ·						<u> </u>		-						_		Squeezed	
(D)								1						Оре	<u>" L.i</u>	adaeesed	
28. ACID, FRACTU		NI, CEME	NT SQUE	EZE, EIL		_			AMO	INT AND T	YPE OF MATER	PIAI					
DEPTH	INTERVAL								AMO	UNI AND I	THE OF MATER	UNL					
29. ENCLOSED AT	TACHMENTS:							-			···········				30. WEL!	STATUS	
ELECT	RICAL/MECHA			CEMENT	VERIFIC.	ATION		GEOLOG CORE AN	IC REPORT	=	OST REPORT	DIF	RECTIONAL	SURVEY			·
(5/2000)		_					(CO	NTINU	ED ON B	ACK)				F	₹EC	EIV	ED

DEC 0 4 2008

31. INITIAL PR	ODUCTION				INT	ERVAL A (As sho	wn in item #26)				_			
DATE FIRST PR	ODUCED:	TEST DAT	TEST DATE:			HOURS TESTED:			OIL BBL:	GAS - MCF:	WATER - BBL:		PROD. METHOD:	
CHOKE SIZE:	TBG. PRESS.	CSG. PRE	SS. API GR	AVITY	BTU - GAS	-GAS GAS/OIL RATIO 24 HF RATE		NC	OIL BBL:	GAS - MCF:	WATER	- BBL:	INTERVAL STATUS:	
					INT	ERVAL B (As sho	wn in item #26)							
DATE FIRST PR	TEST DAT	TEST DATE:);	TEST PRODUCTION RATES: →	M	OIL – BBL:	GAS - MCF:	WATER - BBL:		PROD. METHOD:		
CHOKE SIZE:	TBG. PRESS.	CSG. PRE	SS. API GF	AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	24 HR PRODUCTION RATES: →		GAS MCF: WATER		- BBL:	INTERVAL STATUS:	
	,				INT	ERVAL C (As sho	wn in item #26)							
DATE FIRST PRODUCED:		TEST DAT	re:		HOURS TESTED	TEST PRODUCTION RATES: →		OIL - BBL:	GAS - MCF:	WATER -	- BBL:	PROD. METHOD:		
CHOKE SIZE:	TBG. PRESS.	CSG. PRE	SS APIGR	AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	NC	OIL – BBL:	GAS - MCF:	WATER -	- BBL:	INTERVAL STATUS:	
					INT	ERVAL D (As sho	wn in item #26)							
DATE FIRST PR	ODUCED:	TEST DAT	re:				TEST PRODUCTIO RATES: →	N	OIL - BBL:	GAS - MCF: WATE		- B8L:	PROD METHOD:	
CHOKE SIZE:	TBG. PRESS.	CSG, PRE	SS. API GR	AVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	NC	OIL – BBL.:	GAS MCF:	WATER -	- BBL:	INTERVAL STATUS:	
32. DISPOSITIO	N OF GAS (So	d, Used for F	ual, Vented, Etc	:-)										
an olisana DV	05 B0B0UB 70	NEC (leaferd	A multiner).		•			24	FORMATION (L	an MARKERS.		_		
33. SUMMARY of Show all importatested, cushion u	nt zones of para	sity and conter	nts thereof: Con	ed interva ures and i	ils and all drill-stem recoveries.	tests, including de	pth interval		. TORINGTON (E	ogj maintend.				
Formatio	on	Top (MD)	Bottom (MD)		Descript	ions, Contents, etc		Name					Top (Measured Depth)	
								Birds Nest Zone 1,375 Mahogany 1,855 Base Parachute 2,577 Uteland Butte Limestone 4,546					1,243 1,375 1,855 2,577 4,549 4,768	
35. ADDITIONA The subje				bande	oned as per	the pendin	g P&A sundr	y.		<u> </u>				
36. I hereby cer	tify that the for	egoing and at	tached Informa	tion is c	omplete and corre	ct as determined	from all available re	cor	ds,			=		
NAME (PLEASE PRINT) Mickenzie Thacker TITLE Operations Clerk														
SIGNATURE_	Midu	mii	Thau	M	••)		DATE 11/	11/24/2008						
• drilling	ust be subm leting or plug g horizontal apleting to a	gging a nev laterals fro	v well m an existin		oore •	significantly d	reviously plugg eepening an ex carbon explorate	istir	ng well bore b	elow the prev				

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

801-359-3940

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Box 145801

Phone: 801-538-5340

Fax:

Salt Lake City, Utah 84114-5801

(5/2000)